

13550-

13915

RECORD

1984

VEN.

13550.

CRPT

BOT

Plowman

027

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ACCOUNT BOOKS

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584

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Dahlgren's Index + Plates

Emilio Fuentes (with Steve Tillett). 1980.
Los Yanomami y las Plantas Silvestres,
Antropológica 54: 3-138,
Fundación La Salle,
Instituto Caribe de Antropología y Sociología
Apartado 1930, Caracas 1010A, Venezuela

Paul Berry
Hot Sauce
Eurythmics

DALE WILLARD \$50!

GWT 3000 3122
12 #5,

APR 12 1984

VENEZUELA: Territorio Federal Amazonas.
Dept. Rio Negro. Sierra de la Neblina.
Neblina Base Camp along Río Mawarinuma.
Approx. 0°50'N., 66°10'W. Alt. 140 m.
12 April 1984.
Coll. T. Plowman & W. W. Thomas

12 Apr. 1984

Coll. T. Plowman + Wm. Woyt Thomas

13550. Cattleya violacea (HBK.) Rolfe Orchid.

(2) Epiphyte on tree limb in forest.

VEN-1

Ovary pale brownish purple. Sepals +
petals orchid. ^{lateral lobes of} Lip abaxially reddish
purple. Lip white abaxially in
middle. Adaxial surface of lip white
terminal lobe red-purple, with yellow
nectar guide. Column white.

Foto

det. G. Carnevali 1985.

13551. Smilax Liliac.

(3) wing liana 10 m. long.

VEN-2

Stems 4 or 5 winged. Sterile.

NY

RB

13552. Psychotria Rubiac.

(3) Weak treelet 2.5 m. tall. Flowers
immature, cream. Fruits shiny
red.

VEN

13552-A. Psychotria

VEN

Weak treelet 2.5 m. Flowers cream.

APR 12 1984

13553. Heteropsis flexuosa (HBK.) Bunting Arac.

(4) Climbing wiry vine on tree trunks
VEN-2 5 m. tall. Flowering at tips of
F horizontal lateral branches. Immature
NY fruits green. Only one fertile.
det. T. Croat 1985.

13554. Calyptranthes Myrtac.

(3) tree 18 m. tall x 35 cm. diam.
VEN-2 Overripe fruits black.
dup. det. L. Landrum 1986.

13555. Macrobium microcalyx Ducke Leg. - Caesalp.

(6) Slender tree 15 m. tall x 10 cm.
VEN-2 diameter. Calyx light green. Petal
F white. Filaments deep cerise red.
NY Oozy sericeous. det. C. Niezgodz 1986.
K
US

13556. Anaxagorea rufa Timmerman Annon.

(5) n.v. "majagua" - leaves crushed
VEN-2 with water for medicine.
F Slender tree 8 m. tall. Flowers
U and fruits cauliflorous on
trunk and major branches.
Leaves medium green, shiny
above, pale yellow green, ^{dull} beneath.

Petals reddish, chestnut brown. Ripe fruits ochraceous
det. P. J. M. Maas 1987.

13557. Psychotria Rubiac.

(4) Herb 1 m. growing on sandy river beach. Infl. axis dull red. Corolla white.

13558. Clidemia bullosa DC. Melast.

(5) Shrub 2 m. tall in thicket on sandy river beach. Calyx and ovary green. Petals + stamens white. Fruits dark blue.
det. J. J. Wurdack 1985

13559. Rhychospora ^{comata} cephalotoides Cyper.

(7) ^{70 cm} Caespitose herb growing on gravelly beach along river. Flowering spikelet scales white.

13560. Wulfschlaegelia calcarata Benth. Orchid.

(1) Delicate epiphyte in moist leaf litter. Basally brownish, apically, including fruits, white.
! BORN & MAAS 1992

APR 12 1984

13561. Swartzia Legum.

(5) Tree 15 m. tall. Petal
VEN-2 white. Filaments white, turning
K yellow. Anthers yellow.
NY

13562. Trichomanes punctatum Poir. Fern

(4) Epiphytic creeping fern
VEN-2 on slender tree trunk with slightly
F rough bark. det. R. G. Stolze 1985.
NY

13563.

Gesner.

(4) Herbaceous creeper or erect
VEN-2 herb in forest floor. Calyx pale
US green. Corolla white.
F

13564 Ryania

Flacourt.

(3) Shrub 3 m. tall. Buds
F yellowish brown.
VEN
NY

Standl. + Steyerl.

13565. Psychotria spadiacea (Pittier) Rubiac.

(4) Shrub 1 m tall. Lvs. dark green
VEN-2 shiny above; pale green dull beneath.
F with pale green immature fruits.
NY det. P. Mattek 1985

13566. ODONTADENIA PUNCTICULOSA (L. Rich.) ^{PULLÉ} Apr. c.(3)
VEN-1.Climbing vine 5 m. tall in
forest clearing. Milky sap.
Corolla creamy yellow.

DET. B. HANSEN 1992

13567. Cassia Legum.(1)
VENPole shrub 3-5 m. tall in
disturbed area in forest. Leaves
shiny dark green above, dull
pale glaucous green beneath.
Petals pale yellow. Anthers
brown.13568. Psychotria Rub.(1)
VENShrub 1.5 m. tall. Leaves
shiny dark green above, shiny
paler green beneath. Bracts deep
carmine pink, flowers white13569. Metaxya rostrata (HBK.) Presl Fern(3)
VEN-2
FTerrestrial rosette with
10-12 leaves. Leaf to 2.5 m.
det. R. G. Stolze 1985.

APR 12 1984

13570. Stenospermation ammiticum Bunting, Arac.

(4) Terrestrial herb 60 cm.

VEN-2 tall with creeping rhizome. Erect
MO leaf part rosette-like. Leaves shiny
NY dark green above; dull pale
green beneath. Peduncle pale green.
Spadix yellow-orange.
det. T. Croat 1985.

13571.

Annon.

(2)

VEN

Tree 6 m. tall along small
stream in forest. Leaves shiny dark
green above, less shiny, lighter
green beneath. Flowers solitary
pale yellow.

13572. Micrandra sprucei (Muell. Arg.) R.E. ^{Schubert} Euphorb.

(8) Tree 25 m. tall x 35 cm.

VEN-2

F

GH

NY

K

MO

diameter. Bark reddish with
slight milky sap on inner layer
(cambium). Fruits pendulous,
shiny, green, still immature
leaves shiny dark green above,
pale green, dull, glaucous
beneath.

det. M. J. Huft 1985.

13573. Lindsaea semilunata (C. Chr.) C. Chr. Fern
 (3) Small erect herb growing on
 VEN-2 low hummocks + "root skirts" in
 F low swampy forest. det. B.G. Stolze
 NY 1985.

13574. Pezomachus plicata Spruce ex Benth. Rubiac.
 (7) det. T. Plowman 1985.
 VEN-2 Tree 20 m. tall x 12 cm.
 F diameter. Bark pale brown, rather
 Mo shaggy. Leaves coriaceous, dull
 NY medium green above, silvery
 K green, dull beneath. Stipule
 US pale green.

Infructescences collected
 from adjacent tree 25 m.
 tall. Rachis dark red. Fruits
 bluish green when immature,
 black at maturity, 2-seeded.

13575. Rapateia PALUDOSA AUBL. Repet.
 (4) Rosulate herb 1 m. tall in
 VEN-2 low swampy forest. Floral bracts
 F tan. Calyx scarious, cream.
 NY Petals bright yellow. Flowers
 submerged in thick accumulation of

APR 12 1984

mucilage, DET. M. COLELLA 1990

13576.

Fungi

(3)
VEN-2

Growing on roughish bark
of slender tree with creeping
fern 13562.

Neblina Camp 6 = Habitats.

- A. Boggy meadow dominated by 3 spp of Bromeliaceae (13650, 13651, 13652), Rapateaceae (WWT 3053, 13620), Xyris (3080).
- B. Open ridge top Bonnetia forest dominated by Bonnetia sp (WWT 3032) with understory dominated by large tank bromeliad (13650) and coarse erect bamboo (3074).
- C. ^{wet} Cloud forest on ^{steep} southwest-facing slope (in small valley) dominated by ^{trees} Melastomataceae, Araliaceae with heavy covering of bryophytes and filmy ferns.
- D. Forested quebrizas with Enterpe (13654), Melastome trees, large tank Bromeliad (13650) and erect bamboo (3074)
- E. Open rocky meadow on north sloping ridge with large granitic outcrops "Ridge meadow" - at base of large peak

VENEZUELA: Territorio Federal Amazonas.

Dept. Río Negro. Sierra de la Neblina.

Ridge at divide between Brazil and Venezuela,

26 km. east-northeast of Neblina Base Camp.

Approx. 0°53'N., 65°56'W. 15 April 1984.

Alt. 2000 m.

Coll. T. Plowman & W. W. Thomas.

13577. Pentacalia YAPACANA (ARISTEG.) Comp. ^{CUATREC.}

(3)

VEN-2

F

Climbing vine among shrubs on slope in cloud forest. Leaves shiny dark green above, paler green beneath. Stems and petioles purplish and green. Involucre pale green. Pappus white. Corolla cream - Habitat c.

DET. J. PRUSKI (US) 1995

13578. Baccharis brachylenoides DC. Comp.

(6)

VEN-2

F

US

NY

K

Slender tree 8 m. tall x 8 cm. diameter growing in habitat c. Leaves shiny dark green above, dull pale green beneath. Infl. - axis purplish. Involucre light green. Flowers cream. det. M.O. Dillon 1985.

13579. Maxillaria meridensis Lindl. Orchid

(2)

VEN-1

Epiphyte on mossy tree trunk in habitat c. Bracts reddish purple. Sepals and petals deep yellow with

rose pink blush on abaxial surface.
Lip yellow with dark maroon ~~apical~~
patch at throat on abaxial side.
Apical thickening yellow.
det. G. Carnevali 1985.

13580 Miconia acutifolia Ule Melast.
(5) det. J. J. Wurdach 1985.

VEN-2
F
NY
K

Tree 10 m. tall x 12 cm. diam.
Leaves dark green, shiny above;
light ferruginous beneath. Stem and
petiole dark brown. Infl. axis light
ferruginous. Ovary green with purple
blush. Calyx x rose-pink.

13581. Myrcia Myrt.
(5) det. L. Landrum 1986.

VEN-2
NY
K

Slender virgate treelet 6 m. tall on
steep slope growing in hab. at C.
Twigs + petioles red-purple. Leaves shiny
dark green above, shiny light green beneath.
Calyx red. Petals, filaments + anthers
white.

13582. Hedyosmum neblinae Todzia (Chloranth.

(7)

det. C. Todzia 1986.

Shrub 4 m. on steep ^{open} slope in

VEN-2

F habitat c. Leaves shiny medium

NY green above; less shiny pale green
K beneath. Fleshy pedicel reddish
~~INTRA~~ purple in fruit.
US

13583. Psychotria venezuelensis Steyerl. Rub.

(10)

det. J. A. Steyerl 1986.

VEN-2

Slender virgate treelet 5 m. tall on
steep open slope in habitat c.

F Leaves glossy dark green above with
NY yellowish midrib; shiny paler green
MO beneath with darker nerves. Infl.
US axis, pedicel & ovary pale green. Corolla
U pure white. Infl. in fruit turning
GB dark reddish purple. Mature fruits
purple-black

Ernstia 39:9. 1986.

13584 Brachionidium neblinae Carnevali, sp. nov. Orchid.

(2)

VEN-Holo

Creeping epiphyte among mosses
in cloud forest (habitat c). Bracts &
ovary pale green. Perianth red-violet
throughout det G. Carnevali 1985.

APR 15 1984

13585

Loranth.

(3)
VEN-2 Hemiparasite on *Ilex* sp.
(Thomas + Plowman 3042) in open
meadow (habitat E). Stems green.
Leaves and flowers yellow. Mature
fruits white.

13586.

Loranth.

(3)
VEN-2 Hemiparasite on Myrsinaceous
shrub ()
in wet open meadow (habitat E).
Stems green. Leaves, infls. yellow.
Mature fruits white.

13587.

Loranth.

(2)
VEN-1 Hemiparasite on rubicaceous shrub
in *Bonnetia* forest on ridgetop.
(lost Plowman + Thomas 13623).
Stems green. Leaves & inflorescences
yellow. Mature fruits white.

13588.

Loranth.

(2)
VEN-1 Hemiparasite on *Bonnetia*
(Thomas + Plowman 3032) growing
among rocks in open meadow (habitat E)

APR 15 1984

Stems and leaves green. Spikes orange.

13589. Rhynchospora

Cyperac.

(3)
VEN-2

Cespitose and climbing on other plants. Spikelets yellowish brown to brown. Growing at bottom of boggy meadow (habitat A) at edge of wooded ravine.

→ Grammitis tatei Copel. det. R. G. Stolze 1985.

13590. Grammitis serrulata (Sw.) Sw.

Fern

(4)
VEN-2
F NY

Epiphyte growing on mossy trunks in Bornetia forest (habitat B). det. R. G. Stolze 1985.

13591. Habenaria

Orchid.

(1)
VEN

Solitary herb in boggy meadow. (hb. P.) Sepals light green. Petals and lip greenish yellow.

det. R. Kral 1985.

13592. Alboboda ciliata Maguire & Wurdack

Xyridac.

~~2~~
(6)
VEN-2
NY
K MO

Clump-forming herb in open boggy meadow (habitat A). Bracts on developing inflorescence dark purple, green towards tip. Flowers blue-violet. Anthers yellow.

APR 15 1984

13593A. Cuzmania aff. vanvolxorni André
det. L. B. Smith 1985. (too old for positive det.)

13593. Tillandsia plowmanii L. B. Smith & Bromel.
(2+2) Styermark n. sp. det. L. B. Smith 1985.

US-2 Terrestrial bromeliad. Infl. 1.5 m.
F-3
VEN-3 tall. Leaves pointed, light green,
K-1 +2 shiny above; slightly paler, less
NY-3 shiny beneath. Infl. bracts basally
Mo-2 lt. brown, especially dark red. Flowers creamy yellow.
Fruits dark brown.

13593-A

(2+2) Same data 13593-A. This coll. in fruit.

US-2
VEN-2 ISIDROGALVIA SCHOMBERGKIANA (OLIVER) CRUDEN

13594. Tafieldia sp. DET. CRUDEN 1989 Liliac.

(4) Herb in boggy meadow
VEN-2 (habitat A). Flowers pale green.
NY det. Maas 1985.

13595. Cleisthes parviflora Lindl. Orchid.

(5) Terrestrial solitary orchid
VEN-2 Leaves pale green, tinged
NY reddish purple, glaucous.
K Flower in bud reddish purple.
det. G. Carnevali 1985.

13596. Pterazonium maguirei Killinger Fern

(3) Rhizomatous terrestrial
VEN-1 fern in Bonnetia forest.
F Leaves shiny dark green above
pale green beneath with dark
green veinlets. det. R. G. Stolze 1985.

APR 15 1984

13597. Graffenrieda reticulata Wurdock Melast.

(4) Treelet 6 m. tall growing
VEN-2 in protected ravine (habitat D).
F Leaves medium green above,
NY very pale yellow-green beneath.
Old fruits brown.
dup. det. J.J. Wurdock 1985.

13598. Cybianthus quelchii (N.E. Br.) Agost. Myrsinac.

(7) Shrub 1.5 m. tall in open
Bonnetia forest (habitat A).
Twigs + petioles dark brownish.
foto Flowers cream. Leaves shiny
VEN-2 dark green above; pale green
NY beneath. det. J. Pipoly 1985.
K
U

13599. Smilax

Lilic.

(2) Wiry vine 3 m. high in
VEN-1 open thicket in cloud forest
NY (habitat C). Leaves shiny medium
RB green above; paler green, shiny
beneath; rubbery texture.
Flower buds pale green.

Apr. 15 1984

Tapeinostemon longiflorum Maguire + Steyerl.

13600. var. australe Maguire + Steyerl. Gentiana.

(6)

Scandent herb 2 m. among shrubs on open slopes in cloud forest. (habitat c). Flowers pendulous, white.

VEN-2
NY
K
US
F

det. E.J. Simonis 1985.

13601. Selaginella

(3)

Erect herb in open places among shrubs in Boumets forest (habitat A).

VEN-2

13602. Trichipteris lechleri (Mett.) Tryon

~~ret aff.~~

Fern

Tree fern 2.5 m. on

steep slope in cloud forest

(habitat c). Trunk 30 cm.

Petiole 60 cm. Blade 1.5 m.

F spec. Fragmentary

VEN-2+2

NY

13603. Celiantha bella Maguire + Steyerl. Gentiana.

(4)

Erect unbranched herb to 1.8 m. tall in open meadow (habitat A). Stem dark brown

or purple. Leaves shiny dark green above; pale green, dull

beneath. Pedicel + calyx dark purple. Corolla pendulous,

foto

VEN-2

NY

Carmine. Lobes with white
nectar guides
det. Maas 1985.

Liliac.

13604. Nietneria corymbosa Klotzsch + R. Schomb. ~~Heemadorea~~

(8) Herb in rocky meadow
VEN-2 (habitat E). Capsules pale
NY K brown. Perianth basally green,
F apically mustard yellow.
MO det. Maas 1985.

C. PERROTTETII BRIQ. DET. R. BEROZAIÁ 1990.

13605. Cyrilla racemiflora L. Cyrillac.

(5) Tree 5 m. tall in Bounetia
forest. Flowers white.

foto F
VEN-2 Habitat B. det. T. Plowman 1985.
NY K

13606. Sauvagesia guyanensis (Eichl.) Sastre ^{vel. aff.} Ochnac.

(2) Erect shrub 60 cm. tall
VEN-1 in boggy meadow (habitat
A). Petals pale pink.
det. J. Luteyn 1985.

13607. Ledothamnus guyanensis Miessn. ^{var. guyanensis} Ericac.

(4) Low shrub to 50 cm. tall
VEN-2 on rocky outcrops (habitat
NY E). Petals deep rose pink.
F
K det. J. Luteyn 1985. ! 1989

APR 15 1984

Steyermark + Frodin

13608. Schefflera tremuloidea McGuire, Araliac.

(4) tree 6 m. tall in margin

VEN-2 of boggy meadow. (habitat A).

F Leaves pendulous, shiny
NY light green. Infl. axis dark
purple. Calyx light green.
Petals purplish. det. T. Plowman
1985.

13609. Lindsaea javitense H. + B. ex Willd. Fern

F (3) Terrestrial fern in Bonnetia

VEN-2 forest (habitat B). det. R. G. Stolze 1985.
NY

Ny 13609A. Trichomanes rosamense Jenm. Fern

(3) same data as 13609. det. R. G. Stolze 1985.

13610. Maytenus neblinae Steyermark. ISOTYPE Celast.

(5) Tree 8 m. tall in Lillside

VEN-2 cloud forest (habitat C). Young

F Flower buds cream, solitary
MO in axils of new shoots.

NY Stipules brown. det. Steyermark '87.

13611. Daphnopsis steyermarkii Nerling Thymel.

(7) Tree 6 m. tall in steep

VEN-2 hillside cloud forest. Leaves
F dark green, shiny above;

Fls. 2(A) medium green, somewhat shiny
beneath. Flowers cream.

NY No latex. det. T. Plowman 1985.
MO

13611A. Clusia
 we → HLA seedling in wet mossy slope.

13612. Schefflera SUAVEOLENS FRODIN (SP. NOV.) ARIZOZ.
 (5) Tree 10 m. tall in steep
 VEN-2 hillside. (Habitat c). Leaflets
 F all ascending. Sep with strong
 K odor of carrots. Immature
 NY fruits shiny, light green.

13613. Mikania Comp.
 (4) Herbaceous vine in
 VEN-2 cloud forest on steep slope
 (habitat c). Stems and petioles
 dark brown. Leaves dark
 green, matte above, pale green,
 somewhat shiny below. Flowers
 cream.

13614. Volzigiella spathacea (Oliv.) Melchior Scroph.
 (7) Herbaceous vine in cloud
 VEN-2 forest (habitat c). Leaves dark
 F green, shiny above, shiny light
 seed → Kew green beneath. Calyx light
 K green. Corolla orange, curved
 NY slightly. Stamens didynamous,
 MO Capsules dark brown.
 U ut. T. Plowman 1985.

APR 15 1984

Otoglossum (Rchb. f.) Garay + Dunstern.

13615. ~~Otoglossum~~ arminii orchid

(3)

Epiphyte on low tree trunk
in Bonnetia forest (habitat B).

VEN-2

Sepals + petals bright red,
with yellow margins, shiny,
waxy. Constricted part of
lip brick red, lamina yellow
throughout. det. G. Carnevali 1985.

13616. Utricularia humboldtii R. Schomb. Lentib.

(6)

VEN-2
F u
as

Aquatic herb growing in
water in ^{terrestrial} tank bromeliad
(Plowman + Thomas 13650).

fl }
traps } (A)

foto

leaf 1, erect, medium green
above, silvery beneath,
petiole dark purple, brittle.
Infl. 1.5 m. long. Flowers pale
violet with white spot at
center.

13617. Utricularia

(2)

VEN-1

Epiphyte on tree branches in
Bonnetia forest (habitat B).

Flowers bright pure red, visited
by humming birds.

(A)

13618. Pleurothallis roraimensis Rolfe Orchid.

(4)
VEN-2 Epiphyte on tree trunk of Bonnetia at edge of boggy meadow. leaves fleshy, shiny dark green above, red purple beneath. Fls. pale yellow
det. G. Carnevali 1985.

13619. Salpinga pusilla (Gleason) Wurdack Melzst.

(7)
VEN-2 Fleshy herb in protected places in cloud forest. (habitat C). leaves shiny dark green above, pale silvery green beneath. Stem and petioles dark purple. Ovary and calyx dark red. Abaxial petal surface red on right half, white on left half; adaxially all white.
det. J. J. Wurdack 1985.

F
NY
K
MO
U

13620. Stegolepis neblinensis Maguire Rapateac.

(6)
VEN-2 caespitose herb in boggy meadow (habitat A). Scape green.
F-2 Bracts reddish brown. Flowers yellow. Base of plant exuding clear mucilage.
U
NY
U
det. R. Krul 1986.

APR 15 1984

13621. Leandra maguirei Wurdack Heliot.

2+
VEN-2 Shrubs 1.5 m. tall among large bromeliads at upper level of cloud forest (habitat C). Stem and petioles red purple. Leaves dark green above, pale green beneath with pale veins. Leaf margin lined with dark red hairs. Ovary + calyx pale pink. Mature fruits purple black. det. J.J. Wurdack 1985

13622. (Polypodiaceae)

(1)
VEN Creeping terrestrial fern in Bonnetia forest. Fern

13623. Pogonopsis maguirei Steyermark Rubiac. det. Plowman 1985.

(4)
Shrub 1.5 m. tall in open Bonnetia forest (habitat B). Leaves shiny, dark green above, whitish shiny beneath. Inflorescences peduncles purplish brown. Rachis and bracts lavender, fleshy. Corolla pale blue-violet!

foto.
VEN-2
F
NY

13624.

Lorentz.

- (3) Hemiparasite on rubiaceous
VEN-2 shrub (Plouman & Thomas 13623)
i Bonnetia forest (habitat B).

MAGUIRE & J.R. LAUNDON

13625. Drosera RORAIMAE (KLOTZSCH EX DIELS) Droserac.

- (4) Solitary terrestrial herb
VEN-2 among bromeliads i boggy
MO meadow. Plants red. Fruits brown.
F ~~MO~~ DET. STEFANO & A. CULHAM (MO) 1992

13626. Lycopodium juliforme Underw. & Lloyd / Lycopod.

- (5) Prostrate creeping herb
VEN-2 among hummocks i Bonnetia
F forest. Strobili erect.
AAU det. R.G. Stolze 1986.
MO

13627. Psychotria crassa Benth. Rubiac

- (8) Sprawling scandent herb
VEN-2 with fleshy leaves i Bonnetia
F forest. Leaves shiny, dark green
seed HLA above, very pale green beneath.
NY Stems and inf. axis dark red.
K Corolla ^{tube} white. Fruits deep red.
Habitat B. lobes tinged pink.
det. P. Matakaitis 1985

APR 15 1984

13628. Ternstroemia Theac.

(5) Treelet 4 m. tall in cloud forest-habitat c. Leaves medium green above, yellowish green beneath. Immature fruits green.

VEN-2
F
K
MO

(R. + P.) Solms-Laubach

13629. Hedyosmum racemosum Chloranth.

(5) Tree 8 m. tall in cloud forest on steep slope. Habitat c. Leaves rubbery, shiny medium green above, lighter green beneath. Immature fruiting inflorescences light green. Foliage aromatic. det. C. Todzia 1986.

VEN-2
F
NY
MO
K

13630. Macropoea neblinae Maguire + Steyerl. Gentiac.

(3) Coarse erect herb among shrubs in cloud forest (habitat c). Immature fruits green. Corolla det. Maats 1985.

VEN-2

13631. Ilex JAVAENSIS STEYERL. Aquifol.

(3) Treelet 3 m. tall on ridgetop in cloud forest. (habitat c). Leaves coriaceous, dark green above, shiny; yellowish green

VEN-2

dull beneath. Flowers on new growth, buds creamy white.
DET. G. BARRIERA (6) 2009

13632. Craffenriedz reticulata Wurdack Melzotan.

(7) Frequent tree 10 m. tall
x 10 cm. diameter in cloud
forest (habitat c). Inner bark
orange. Flower buds green.
Old fruits brown.
det. J. J. Wurdack 1985.

VEN-2
F
NY
K
US
U
MO

13633. Miconia coraimensis Ule Melzot.

(3) det. J. J. Wurdack 1985.

VEN-2 Shrub 2.5 m. in cloud forest
growing in habitat c.
Leaves shiny dark green above,
lighter green beneath. Infl.
axis reddish. Immature fruits
green, glaucous.

det. R. G. Stolze 1985

13634. Pterozonium brevifrons (A. C. Sm.) Lellinger Fern

(3) growing on bank of humus
around large tree trunk under
shade of large bromeliads. Leaves
dark shiny green above, shiny
yellow-green beneath.

VEN-2
F
NY

APR 15 1984 Grammitis limbata Fee det. A. R. Smith 1985.

13635. Grammitis nigrolimbata Spruce fern

(3) Epiphyte on mossy tree
VEN-2 trunk in cloud forest (habitat
F c). det. R. G. Stolze 1985.

(Kr. ex Urb.) Proenz2.

13636. Siphoneugena dussii Myrtac

(4) Treelet 4 m. tall in
VEN-2 cloud forest. Habitat c.
NY Leaves shiny dark green above,
light green, shiny beneath.
Sterile. det. B. Holst 1985.

13637. Weinmannia sp. (not matched) Cunon.

(4) Erect shrub 3 m. tall in cloud
VEN-2 forest (habitat c). Leaves
F shiny dark green above, whitish
NY crenate beneath. Stipules
K dark red.
US

13638. Weinmannia cf. fagaroides HBK. Cunon.

(5) Slender treelet 6 m. tall in upper
VEN-2 level of cloud forest (habitat c).
F Evenly flat-topped. Leaves dark
NY green, shiny above, very pale
K

green, dull beneath. Stipules
yellow green. Twigs brown.
Immature fruits green.
det. T. Plowman 1985.

13639.

Bromel.

(1)

VEN

Epiphyte on tree limb in
Bonnetia forest. (habitat B).
Leaves dull green abaxially,
brownish purple abaxially,
Scape dark brown. Calyx yellow
green. Immature fruits green.

13640. Eupatorium rouspaliifolium B.L. Robinson Comp.(4)
5

VEN-2

F
US
NY

Sub shrub 1.5 m. in Bonnetia
forest. (habitat C). Leaves strongly
aromatic of turpentine. Inflo-
rescences past.

det. M. O. Dillon 1985.

13641. Cestrum

Solancee.

(3)

VEN-2

Shrub 2 m. tall in upper
level of cloud forest in open
bromeliad-~~shrub~~ area. Leaves
yellowish green, shiny, on both
sides. Corolla tube yellow-green.

APR 15 1984

Lober abaxially purplish brown,
adaxially cream.

13642. Ditassa aff. zuyontepuiense (Steud.) ^{Morillo} Asclep.

(4) Wiry vine among shrubs in
VEN-2 cloud forest. Flower buds brown-
F ish green. Milky latex.
MO

det. G. Morillo 1987

13643. Miconia acutifolia Gle ^{Melast.}

(3) Tree 5 m tall in cloud
VEN-2 forest (habitat c). Leaves
shiny dark green above, light
ferruginous beneath. Twigs
and infl. axis dark ferruginous.
Ripe fruits pale blue-violet.
det. J. J. Wurdack 1985.

13644. Ilex ^{Aquifol.}

(3) Shrub 1.5 m tall in
VEN-2 cloud forest (habitat c).
Leaves dark green shiny above,
pale green beneath. Immature
fruits green.

13645. Neblinanthus neblinae Maguire Gentianeae(5) Long scandent herb in marshy
VEN-2
U
NY
K
Favine among tall sedges
and bromeliads (habitat E).Leaves medium green above,
pale silvery green beneath.

Stems mustard-yellow.

Corolla rose-pink.

det. Mazz 1985.

13646. Octomeria parvifolia Rolfe Orchid.

(4) Epiphyte on tree trunks

VEN-2
NY
and humus at base of trees.Leaves fleshy, dark green, pale
green beneath.Ovary
and perianth dark red.

Fruits dark red. det. G. Carnevali 1985.

13647. Utricularia Lentibul.(3) Terrestrial herb on humus
in Bonnetia forest. (habitat D).VEN-2
Leaf shiny dark green above,
red-purple beneath. Peduncle
bracts + calyx dark purple
"Banner" deep red-violet; lower lip
purple. Spur rose-pink.

APR 15 1984

13648. Trichopteris demissa (Morton) Tryon ^{var. thysanolepis Barrington} Fern

(2) Terrestrial aculecent
VEN - 1 fern in protected forested
ravine (habitat D). Pinnae
shiny, dark green above, yellow-
green, slightly shiny beneath.
det. A.R. Smith 1985.

13649. Blechnum schomburgkii (Kl.) C. Chr. Fern

(10) Terrestrial fern in pro-
VEN - 2 tected forested ravine (habitat D).
F Pinnae shiny dark green above,
NY pale green glaucous beneath.
Petiole 1 m. Blade 1.5
m. long. det. R. G. Stolze 1985.

13650. Brocchinia paniculata Schult. f. Bromel

(16) det. J. A. Steyermark 1987.

VEN 2+2 Large terrestrial tank
bromeliad to 1.8 m. tall
in Bonnetia forest and
adjacent meadows and ravines.
Dominant species. Leaves dark
brown at base, yellowish
green and lightly pruinose on
both surfaces. Inflorescence

F
MO
SEL
NY
K

3 m. tall, past.

13651.

Bromel

(4)

VEN-2

F
MO

Terrestrial bromeliad occurring in small clumps or singly in open boggy meadow and adjacent Bonnetia forest. Leaves shiny greyish green above, paler green beneath covered with silvery scurfy scales. Inflorescence old, brown. Growing with 13652.

13652.

Bromel.

(4)

VEN-2

Terrestrial bromeliad growing in open boggy meadow with # 13651. Occurring singly but common. Leaves shiny, dilute green above, dull yellow green beneath. Scape green. Bracts and flowers past.

APR 15 1984

13653. Geonoma appuniana Spruce Palmae

(25)

dup. det. A. Henderson 1987.

VEN-
4+4
F
NY-6

Single trunked palm
10 m. tall on steep hillsides
in cloud forest. Trunk 6
cm. diameter. Crown shaft
35 cm. long, covered with
fibrous leaf bases. Leaves
5-6. Petiole 25 cm, shiny, reddish.
Leaf blade 1.2 m. long, 50 cm
wide, obovate in outline.
Shiny dark green above, lighter
green beneath, midrib red-
dish beneath.

Inflorescence 8 nodes below
leaves, 60 cm. long, 45 cm. across,
with 15 branches, dull red
when in fruit. Immature
fruits green, mature fruits
black.

13654. Euterpe
(14)

Palmae

Single Stemmed Palm 12 m. tall x .10 cm.

VEN-
3+3Diameter growing in wooded
ravine (habitat D). Leaves
8-10. Crown shaft olive green
pruinose, 60 cm. long.Petiole 30 cm long, yellowish
Blade ovate in outline, 1.4
m. long, with 35 leaflets per
side leaflets shiny green above,
paler green beneath, pendulous.Inflorescence suberect,
post fruiting, dark brown.
60 cm long.

APR 18 1984

VENEZUELA: Territorio Federal Amazonas.
Dept. Rio Negro. Sierra de la Neblina.
Neblina Base Camp along Río Mawarinuma.
Approx. 0°50'N., 66°10'W. Alt. 140 m.
Low-lying forest on clay soil north of
river. 18 Apr 1984
Coll. T. Plowman & W. W. Thomas

Coll. T. Plowman & W. W. Thomas

13655. Bertiera guianensis Rub.
3+ Shrub 2 m. tall. Mature
VEN-2 fruits blue.

13656. Psychotria PECTINATA STEYERM. Rub.
(6) Shrub 1.5 m. tall. Mature
HLA-seed fruits bright red.
VEN-2 DET. C. TAYLOR (MO), 2003
NY MO
US

13657. Psychotria microbotrys (M. Arg.) Standl.
3+2 Shrub 2 m. tall. Leaves
VEN-2 dull dark green above, pale
F green dull beneath. Infl. 2x's
NY & peduncle purple. Calyx
pale green. Corolla cream.
det. P. Matekatis 1985

13658. Crepidospermum rhoifolium (Benth.) Bursen. Tr. + Pl.
(6) Tree 12 m. tall x
VEN-2 10 cm. diameter. Sep. not
F K aromatic. Flowers greenish
NY MO

yellow. det. D. Daly 1987.

ssp. silvestris Moos + Stoel

13659. Schiekia orinocensis (HBK.) Meissn. Haemador.

(3) Equitant herb on river bank.

VEN-2

Orange roots and rhizome-

live-Mo

Flowers cream.

det. Moos 1985.

13660. Psychotria subundulata Benth.

(3) Shrub 1.5 m. tall. Inflo-

VEN-2
F

rescence axis deep red.

No flowers. det. P. Matikaitis

1985

13661. Gtenitis protensa (Afz.) Ching Fern

(4) Terrestrial fern in forest.

VEN-2

det. R. G. Stolze 1985.

F
NY

13662. Ischnosiphon ursinus L. Anders. Merent.

(5) det. L. Andersson 1985

Scandent herb 2-5 m. tall.

VEN-2 leaves dark shiny green above
dull glaucous green beneath.

GB

F

NY

K

Breets on old inflorescence
stem.

APR 18 1984

13663. Guarea sp. nov. aff. juglandiformis Penn. Meliac.
(3) det. T. D. Pennington 1985.

frs.-sep.
VEN-2

Unbranched pole tree 5 m.
tall. Fruits cauliflorous,
shiny, purple.

13664. Psychotria Rub.

(3) Shrub 1 m. tall. Fruits
VEN-1 orange.

13665. Trichomanes pinnatum Hedw.

Fern
-Hymenophyl

(3) Terrestrial fern.
VEN-2
F det. R. G. Stolze 1985.

13666. Palmorchis guianensis (Schltr.) C. Schweinf.

(2) Terrestrial herb. Buds
VEN greenish yellow. det. G. Carnevali
1985.

13667. Maieta preppigii Mart. ex Trizna Melastom.

(5) Shrub 1.0 m. tall. Im-
mature fruits yellow-orange.
VEN-2 Mature fruits blue-black.
F
NY
K det. J. J. Wurdack 1985.

13668A Miconia pseudocapsularis Wurdack Melast.

NY F(4) US Same data as 13668, det. J.J. Wurdack 1985. ^{APR 18 1984}

↑ 13668. Leandra franquevilleana Cogn. Melast.

(8) Shrub 2 m. tall. Leaves dark green, dull above, pale green beneath. Flowers pure white. Immature fruit pale green. det. J. Wurdack 1985.

VEN-1
F
US

13669. Trichomanes pedicellatum Desv. Fern

(3) Climbing fern growing appressed to tree trunk. det. R. G. Stolze 1985

VEN-2
F

13670. Maieta guianensis Aublet Melast.

(6) Shrub to 2 m. tall growing in humus accumulations on tree buttresses. Leaves shiny dark green above; pale green dull beneath. Immature fruits cerise red. Mature; det. J. J. Wurdack 1985

VEN-2
F
NY
US
W
RB

13671.

(1) Epiphyte in ant nest. Scape bracts pale pink. Infl. bracts cream. Bromel

VEN

APR 18 1984

13672. Arthuriu sp. nov.

(2)
VEN

Epiphytic bird-nest
zutherium. Leaves shiny
dark green above, lighter
green beneath. Spathe light
green. Spadix purple.
det. T. Croat 1985.

13673. Dieffenbachia parvifolia Engl. Arac.

(6)
VEN-2
K
NY
F
US

Herb in sandy area in
forest along river. Leaves dark
green above, slightly shiny; lighter
green beneath. Stem dark
green. Sap clear with mild
odor of skunk. Spathe light
green. Spadix cream.
det. T. Croat 1986. !1991.

13674. Clidemia bernardii Wurdack Melast.

(6)
VEN-2
F
NY
K
U

Shrub 1.8 m. tall. Leaves
dark green above, somewhat
shiny; dull yellowish green
beneath. Flowers creamy
white.

det. J.J. Wurdack 1985.

13675.

Palmae

(3)
VEN

Single stemmed palm 1.5 m. tall. Immature fruits pale green.

13676. Monstera aff. loxua (P. & S.) K. Schum. Mezant.

(6)

VEN
GB
F
NY
MO

Herb 1.5 m. tall growing on river bank in forest. Leaves shiny dark green above, lighter green shiny ~~above~~ below. Petiole olive green. Bracts olive green turning pale brown. Petals translucent green. Staminodes pale orange. det. L. Andersson 1985.

det. A. R. Smith 1985.

Sphaeropteris cyatheoides (Desv.) Windisch

13677.

Cyathea multiflora Sw.

Fern

(9)

Tree fern 3 m. tall with slender trunk 4 cm diameter. Leaves 1 m. long.

VEN-242

det. R. G. Stolze 1985.

F

APR 1 - 1984

13678. *Polybotrya osmundacea* H. + B. Fern

(13)

Climbing fern on tree trunk. Rhizome coarse

vertical, straight. Leaves

erect spreading, 1 m. long.

det. R. G. Stolze 1985.

3 seeds

VEN-

2+2

F

NY-2

K-3

APR 21 1984

VENEZUELA: Territorio Federal Amazonas.
Dept. Rio Negro. San Carlos de Rio Negro.
8 - 10 km. northeast of San Carlos along
road to Solano.
21 April 1984.
Coll. T. Plowman

Secondary forest 1 km. 8-10.

13679. Myrmidone macrosperma (Mart.) Mart. Melast.

(3)

F
VEN
US

Shrub 1.5 m. tall. Leaves
dark shiny green above, shiny
pale green beneath. Upper leaf
surface and domestic with red
trichomes. Ovary cream. Calyx
light green. Petals carmine
red in bud. det. J. Wurdack 1984.

13680. Cordia sp. nov.

(4)

F
VEN
MO

Borag.
Scandent shrub 2.5 m. tall
in forest margin. Leaves shiny
dark green above, yellow-green
beneath. Accrescent calyx light
green. Immature fruits yellow.
det. J. Miller 1985

NOT CORDIA - J. GAVIRIA 1987

AECIPHILLA SP. J. MILLER 1989

APR 2 1 1984

13681. Pellicourea nitidella (M. Arg.) Standl.

F-2 (5)

TFA
VEN
K

seed HLA

Shrub 3 m. tall in forest margin. Leaves dark green above, yellow-green beneath. Peduncle purple. Infl. branches red in flower, purple in fruit. det. P. Matekaitis 1984

ssp. sylvestris Mez + Stael

13682. Schiekia orinocensis (HBK.) Meissn. Abenacaceae

(5)

Fob
F
VEN
U
NY
K

Herb on open disturbed roadside. Outer tepals orange. Inner tepals cream. Immature fruits shiny, yellow-green. Rhizome red-orange within. det. F. Guánchez 1985.

13683.

Annon.

(4) Aromatic tree let 5 m. tall in forest margin.

F
TFA
VEN

Leaves shiny dark green above, lighter yellowish green, dull beneath. Tepals basally greenish, dull yellow-orange above.

13683A.

Cyperac.

seed only

Sedge 1.5 m. tall in forest margin.

13684. Protium araucouchini (Aubl.) March. Bursera

(3) Tree 8 m. tall in secondary forest margin. Flowers greenish yellow. det. D. Daly 1985.

F
VEN
NY

13685. Miconia rugosa Triana Melast.

(4) Treelet 5 m. tall in secondary forest margin by small stream. Leaves bullate, dark green shiny above, pale green shiny beneath. Stems, petioles + infl. axes with pale brown indument, immature fruits light green with pale tan hairs. det. J.J. Wurdack 1984.

F
VEN
K
US

13686. Psychotria iodotricha M. Arg. subsp. iodotricha Rubiac

(5) Low shrub 1 m. tall. Leaves dark green, shiny above, pale green beneath. Bracts pale green. Flower buds white. Fruits deep blue-violet. det. P. Matekaitis 1984

F
TFA
VEN
NY
G
seed HLA

13687. Zamia Zamiac

(2) Small (immature?) cycad in forest. Leaves 2, shiny medium green above, shiny light green beneath.

F
VEN

APR 2 1 1984

13688. ANAXAGOREA BRACHYCARPA R.E. FRIES Annun.

DET. P. J. HAAS 1988

(3) Tree 8 m. tall in under-
story. Flowers solitary, cauliflorous
on branches, sepals light brownish
green, petals in bud dull brown.

F
VEN
U

13689. Clidemia novemnervia (DC.) Triana Melast.

(3) Shrub 1.5 m. tall in forest
margin along road. Leaves dark
green above, finely bullate; pale, green
green beneath. Ovary pale green.
Petals pinkish white. det. Wardack 1984

F
VEN
US

13690. Isertia verrucosa (Humb. & Bonpl.) Standl. Rubiace.

(5) det. P. Matekaitis 1984

Tree 8 m. tall x 20 cm. diam-
eter growing in forest margin along
road. Leaves dark green, shiny above,
whitish beneath with yellow major nerves.
Peduncle light green. Infl. axis ^{to pink.} light red
Pedicel rose pink. Ovary + calyx yellow-
ish. Corolla tube red-orange. apex of
tube and corolla lobes yellow. Pollen
creamy white. Immature fruits green

foto.
F-2
VEN
NY
K

13691. Spiranthera parviflora Sandw. Rutac.

(7) Tree 6 m. tall growing along
Small stream in forest margin.

Flowers pendulous, pure white,
very fragrant. Leaves shiny dark
green above, silvery pale green be-
neath. det. J. Kallunki 1986.

TFA
F
VEN
U
NY
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K

13692. Desmoscelis villosa (Aubl.) Naud. Melast.

(4) Weedy erect, virgate herb to
1.5 m. tall in open disturbed
roadside. Petals pink.

det. J. J. Wardack 1984.

F
VEN
US
K

13693. Renealmia floribunda K. Schum. Zingiberac.

(8) Herb 2 m. tall in forest
margin. Flowers pale green.

Fruits purple-black. Aerial
yellow-orange.

seed: Waimoa 84-314
Lyon
PTBG

F
TFA
VEN
NY
INRA
U

13694. Inga SPECIOSA (SPRUCE) BENTH. Legum

(6) Tree 8 m. tall with spreading

crow in margin of secondary
forest along road. Leaves shiny
dark green above, midrib with

F-2
VEN
NY
MO
K

APR 21 1984

rufous hairs; leaves shiny yellow-green beneath with orange midrib. Twigs reddish brown. Calyx tan. Corolla cream to yellowish. Filaments cream. Ripe fruits yellow.

13695.

Orchid.

(1) Epiphyte in moist forest. Whole plant cream colored.

13696. Solanum sect. Geminiflorum Solanaceae.

(3) Solanum oppositifolium R. & P.

Tree 3 m. tall in forest margin. Leaves medium green, dull on both sides. Corolla white. det. S. Knapp 1985.

F
VEN
BH

13697. Coussapoa asperifolia Tréc. Morac.

(3) ssp. magnifolia (Tréc.) Atkermans & Berg

Tree 8 m. tall growing in small hillock in ^{open} swamp of standing water. Leaves shiny dark green above, pale green, matte beneath, with yellowish nerves. Inflorescences tan. Inhabited by biting ants. det. C. C. Berg 1986.

F
VEN
U

Low open "bana" formation on white sand.

13697A. *Philodendron*

MO (live) Ant-infested epiphyte - Petioles swollen. Sterile.

13698. *Calothea acuminata* Steyermark

Marzari

#7 (7) Low herb in open "bana" under shade of shrubs and adjacent castings forest. Leaves variable in color from light green to dark purple above, dull; from pale green to red-purple beneath. Juvenile leaves often green with reddish purple central stripe. Peduncle green to purple. Bracts ^{light} green, sometimes purplish towards apex. Flowers pure white throughout.

det. T. Floumen 1984.

F GB
TFA COL
VEN
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foto
live: P. Berry
Mo
HLA

13699.

Melastom

(2)

Shrub 1.5 m. tall. Leaves shiny medium green above, light green, somewhat shiny beneath. Peduncle and pedicel red-purple. Fruits green.

VEN
F?

Erythrox.

13700. Erythroxylum hypoleucum Plowman

(8)

K
F
VEN
INPA
COL
NY
lus → (A)
fotos
MAY

Erect slender virgate treelet
3 m. tall in open bama (not extending
into moist coating forest). Petioles dull orange.
Leaves medium green above, with slightly
lighter midrib; very pale, whitish
beneath with yellowish midrib. Very
few flower buds present, light green.
Occasional in open bama.

n.v. palo de maguari

Erythrox.

13701. Erythroxylum hypoleucum Plowman

(8)

F
VEN
WOOD
fotos
lus → (A)
WOOD
Aw
MADW
Uw

Erect slender virgate shrub or
treelet 2.7 m. tall in open bama.
Leaves newly formed, yellow-green
above, whitish beneath. Twigs +
stipules yellow-green. Sterile.

n.v. palo de maguari.

13702. Pachyloma setosum Wurdack Melastom.

- (5) Erect virgate subshrub to 1 m. tall. Leaves shiny dark green above, very pale green beneath. Infl. 2x is pale green. Immature fruits pale green with rose-pink blush. Hairs ^{light} few throughout. (perhaps x P. huberioides) det. Wurdack 1984.

13703. Tococa hirta Berg ex Triana Melastom.

- (5) Erect shrub 1.5 m. tall. Leaves shiny medium to dark green above, lighter yellowish green beneath with yellow-orange major nerves. Stems yellow-orange. Inflorescence in fruit, held horizontal to vertical stem axis, peduncle, and pedicels carmine red. Mature fruits blue-black. det. J. Wurdack 1984.

13704. Alboboda grandis Griseb Kyridae.

- (2) Rosette herb in open disturbed area in banana. Leaves ^{dull} dark green above, paler, shiny green beneath. Peduncle green. Bracts stiff, green. det. F. Griseb 1985.

F
TFA
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US
K

F
TFA
VEN
US
K

F
VEN

APR 21 1984

13705. Clidemia heteroneura (DC.) Cogn. Melastom.

- (3) Weak sprawling shrub 1.5 m. tall with partially decumbent stems. Growing in moister area in low Coatingo forest. Leaves medium green above, dull; pale green, dull beneath. Mature fruits blue-violet. det. Wurdock 1984.

F
VEN
US

13706. Xyris involucrata Nees ab Esenb. ~~Scitid.~~ ^{Xyrid.}

VEN (3)
F
VDB

- Frequent herb on open white sand areas in barro. Bracts yellowish green. Flowers yellow. det. R. Kral 1986.

13707. Remijia morilloi Steyerl. Rubiac.

- (4) Tall virgate shrub 3 m. tall. Leaves medium to dark green above, with yellowish major nerves; very pale green beneath with creamy yellow midrib. Peduncle reddish brown. Immature fruits light green with reddish blush.

F
TFA
VEN
NY

det. T. Plowman 1985.

13708. Galactophora crassifolia (M. Arg.) Woods. Apoc

(3) Erect shrub 1.5 m. tall in

F
VEN
MAG
foto

open bzn. Leaves dark green, shiny beneath; Pale green, dull beneath with light yellow midrib. Pedicel light red. Calyx light green with dark red splotches. Corolla tube cream. Limb pale pink.
det. A.J.M. Leeuwenberg 1985.

13709. Tococa rotundifolia (Triana) Wurdack Melastom

(4) Erect virgate shrub 1 m. tall

F
VEN
US
K

in open bzn. Leaves medium green above; pale yellowish green beneath with reddish major nerves. Ovary + calyx pale pink. Corolla pink. Immature fruits carmine red, blue-black when ripe.
det. Wurdack 1984.

13710. Tibouchina striphnocalyx (DC) Gleason Melastom

(3) Shrubs 1.5 m. tall in open

F
VEN
US

bzn. Leaves medium green above, very pale green beneath with 3 main nerves covered with brown hairs. Ovary with long white hairs. Petals + filaments deep pink. det. Wurdack 1984.

APR 21 1984

13711. Ropatez longipes Ropatez.

(1) Herb in coating forest.

F
VEN
Leaf sheaths red-brown. Peduncle and bracts red-brown. Flowers yellow.

13712. Passiflora PHAEOCAULA KILLIP Passifl.

(2) Scandent subshrub 80 cm.

F
VEN
tall in open bank. Leaves light yellow-green, paler beneath. Flowers pale salmon. DET. LI ESCOBAR 1989

of rotundae Klotzsch ex D. E. Schulz

13713. Erythroxylum (spruceanum Peyr.) Erythrox.

(4)

F
VEN
US → anal.
Slender erect sapling 1.5 m. tall in moist coating forest adjacent to bank. Leaves rather shiny, dark green above with brown midrib; ~~yellowish green~~ ^{pale glaucous green, dull} beneath with ^{yellow} orange midrib; leaves soon discoloring after pressing; no lines or central panel evident. Sterile.
n.v. "palo de maguari"

APR 21 1984

13714. Macairea rufescens DC.

theleston.

(3)
F
VEN

shrub 2.5 m. tall in margin
of bene along road. Leaves shiny
dark green above, pale green, dull
beneath. Infl. axis rufescent.
Petals magenta.

det. J. Wardack 1987.

APR 25 1984

VENEZUELA: Territorio Federal Amazonas.

Dept. Átures. Road from Puerto Ayacucho to Gavilán, 18.4 km. southeast of Puente de Cataniápo.

25 April 1984.

Coll. T. Plowman

13715. Bauhinia guianensis Aubl. Legum.

(3) Liana 6 m. tall in roadside thicket. Leaves dark green above, dull, ochraceous beneath. Calyx green. Petals cream. det. C. Niessens 1984

VEN
F
K

13716. Stizophyllum inaequilatum Bur. + K. Schum. Bignoniac.

(8) Liana 6 m. in roadside thicket. Leaves dark green above somewhat shiny, yellow-green beneath. Calyx inflated, yellow-green. Corolla pale creamy yellow with pink blush. det. F. Guenchev 1985.
(HBK.) Miers

F
TFA
VEN
MO-2
K
NY

13717. Pleonotoma jasminifolia Bigon.

(4) Liana 8 m. tall in roadside thicket. Calyx pale yellow with green. Corolla tube dull pink, lobes bright yellow.

F
VEN
NY
K

13718. Brownea grandiceps Cowan Legum.

(4) Tree 8 m. tall. Inflorescence
 on lower branches 1-2 m. from
 ground. Leaves dark green above,
 pale green, glaucous beneath.
 Bracts rose-pink. Calyx pale
 red. Petals red.

det. C. Niezgoda 1984

13719. Pellicourea corymbifera (M. Arg.) Standl. Rubiac.

F (4) Tree 6 m. tall in dis-
 turbed forest. Infl. yellow to
 yellow-orange. Corolla red.

det. P. Matekaitis 1984

13720. Machaerium madeirense Pittier Legum.

F (4) Liana 5 m. tall in roadside
 thicket. Leaves dark green above,
 shiny; pale green, dull beneath.
 Immature fruits yellow-green.

det. C. Niezgoda 1984

13721. Mascagnia surinomensis (Kostermans) Melpigh ^{W. Anderson comb. ined.}
 det. W. R. Anderson 1987.

(7) Common liana 7 m. tall in
 roadside thicket. Leaves medium
 green, shiny above; dull pale
 green beneath. Flowers yellow.
 Immature fruits light green.

APR 25 1984

13722. Sorocea guayanensis W. Burger Morac.

F (4) TFA
VEN
K
Shrub 2.5 m. tall in secondary forest. Inflorescences pendulous. Flowers fleshy, creamy yellow. det. F. Guánchez 1985.

13723. Psychotria stipulosa M. Arg. Rubiac.

F (3) VEN
NY
Shrub 1 m. tall in secondary forest. Peduncle and bracts purplish. Immature fruits green. det. P. Matekaitis 1984

P. VOLUBILIS L.

13724. Petrea aspera Turcz. Verbenac.

F (6) TFA
VEN
NY
K
MO
High climbing liana 12 m. tall - leaves dark green, shiny above, yellow-green beneath. Calyx light blue-violet. Corolla dark blue-violet with white "eye" at throat. det. F. Guánchez 1985.

→ H. acuminata L. C. Rich. ssp. occidentalis L. Anders. det L.A.

13725. Heliconia glauca Poiteau ex Verlot Musac.

F (8) VEN
F
GB
SEL
NY
Herb 2 m. tall forming small clumps in margin of forest. Leaves dark green, slightly shiny above; shiny lighter green beneath, heavily covered with

white wax. Peduncle olive-green,
 pruinose. Infl. erect; ^{infl. erect;} bracts distichous,
 yellow. Axis yellow. Pedicel &
 ovary yellow. Perianth pale yellow
 with dark green splotch near
 apex.

I. M. JOHNSTON

13726. Cordia AFF. UCAYALIENSIS Borag.

F (3) Tree 6 m. tall. Immature
 fruits shiny, green.
 DET. J. GAVIRIA 1987

13727. Mabea taguari Aubl. Euphorb.

F (7) Tree 8 m. tall in secondary
 forest. Trunk with white
 latex. Infl. pendulous,
 cream, with strong fruity-
 foetid smell. Leaves shiny,
 medium green above, very pale,
 yellow-green, dull beneath.
 det. M. J. Huft 1984.

13728. Miconia grossidentata Wurdack Melast

F (3) Shrub 1.5 m, in disturbed
 primary forest. Leaves dark green
 above, pale green beneath with
 ochraceous nerves. Ovary +

F
 VEN
 US

TFA
 VEN
 NY
 K
 INPA
 MO

APR 25 1964

calyx buff. Petals, filaments
& anthers white.

13729. Erythroxylum ligustrinum DC. Erythrox.

F
VEN (2) Erect shrub 1.5 m. tall. Leaves
dark green above, very pale, glaucous green beneath with yellow
midrib. det. Plowman 1987

13729A. Psychotria poeppigiana

seed only
HLA - Common shrub 2 m. tall
in forest margin. Bracts red.
Flowers pale yellow. Fruits blue.

VENEZUELA: Territorio Federal Amazonas.
 Dept. Átures. Puerto Ayacucho. 6 km.
 north of Puerto Ayacucho along road to
 El Burro. Large igneous "laja" outcrop
 east of road.
 26 April 1984.
 Coll. T. Plowman

13730. Pitcairnia pruinosa HBK. Bromel

F
 VEN
 NY
 K
 (4) Frequent bromeliad on open rock
 along crevices. Leaves ^{pruinosa} glaucous on both
 sides. Scape and ^{base of} calyx light red. Calyx
 lobes yellow. Corolla dark purple.

13731. Erythroxylum foetidum Plowman Erythrox.

(15)

MO
 NY
 G
 foto
 fr → (A)
 TFA
 F
 VEN
 GH
 U
 K
 COL
 LAY
 Shrub or treelet 5 m. tall at
 lower edge of summit of laja outcrop.
 Branches ascending. Trunk grey
 to tan, to 4 cm. diameter. Twigs
 dark brown. Leaves in flush, yellowish
 green above with yellowish midrib; very
 pale green beneath with paler distinct
 central panel & dark green nerves.
 Immature fruits shiny, light
 green. Short styled plant.
 = 13507.

APR 26 1984

13732. Dioscorea

Dioscor.

- (2) Twining vine among shrubs
near summit of I2j2 outcrop.
F
VEN. Flowers dark purple.

13733. Rudgea maypurensis Standl. Rubiac.

- (5) Low shrub 1 m. tall under
larger shrubs in depression on
I2j2 outcrop. leaves dark green shiny
above; greenish yellow, dull beneath.
F
VEN
K
NY
MO
Infl. axis and flowers creamy white.
Long styled plant.
det. P. Matekaitis 1984

13734. Byrsonima nitidissima HBK. Malpigh.

- (4) Frequent shrub 4 m. tall with
spreading crown in soil depression
on I2j2. leaves dark green, shiny above,
pale green glaucous beneath, Infl. axis
ochraceous. Calyx pale green. Petals
white to pale pink.
F
VEN
MICH
~~NY~~
K
det. W. R. Anderson 1984.

13735. Erythroxylum foetidum Plowman Erythrox.

(10) F

TFA
VEN

NY

MO

(A) FRS INPA

US

G

CAY

COL

U

Slender treelet 4-5 m. tall with 10 equal trunks 3 cm. diameter arising from base. Growing on hilltop at edge of large outcrop. Leaves flushing out, yellowish green, paler beneath. Pedicel + calyx pale green. Fruits shiny, yellow-green, immature. Short-styled plant.

13736. Jacaranda obtusifolia HBK. Bignon.F
VEN
B
MBM

(4)

Treelet 6 m. tall growing in shrub island at base of large outcrop bordering savanna. Fruits brown.

13737. Miconia rufescens (Aubl.) DC. Melast.

(4)

F
VEN
US
K

Shrub 2.5 m. tall in shrub island at base of large outcrop bordering savanna. Leaves medium green, shiny, bulbate above, pale ferruginous beneath. Infl. axis and calyx with light brown hairs. Petals white.

det. Wurdack 1984

APR 26 1984

det. H. Steumer 1985.

13738. Ximelia americana L. var. americana Olacac.

(6) Small shrub 5 m. tall in shrub island in soil depression on l2jz outcrop. Leaves shiny medium green above; less shiny beneath. Petiole pale red. Flowers creamy white, very fragrant resembling Citrus flowers, turning yellowish with age. Fruits yellow at maturity.

F
TFA
VEN
L
NY
K

13739. Mandevilla lancifolia Woodson Apocyn.

(5) Fragile subshrub 1 m. tall in shrub island on low flat l2jz outcrop. Stem with sticky white latex. Leaves dark shiny green above; pale green glaucous beneath. Corolla tube pink, lobes white. det. M. Fallen 1984.

foto

TFA
F
VEN
NY
K

13740. Erythroxylum impressum O.E. Schulz

(8)

Frequent shrub to 5 m. tall in wooded edges of l2jz outcrop. Leaves newly formed, medium green shiny above, with pale green midrib; very pale green, almost whitish,

VEN TFA
F
fls → NY
foto MO
K
US
U

glaucous beneath with yellow-green midrib. Petals creamy white.

Pedical + calyx pale green.

Long-styled plant.

Fl. Visited by medium + small bees, wasps + flies.

13741. Erythroxylum impressum Erythrox.

O. E. Schulz

F (10) NY
TFA COL
VEN K
foto AAU
GT
INPA
CAY

same date as 13740.

Short-styled plant.

13742. Rudgea maypurensis Standl. Rubiac

F (5)
TFA
VEN

same date as 13733.

Short styled plant.

det. P. Matekaitis 1984

13743. Campomanesia aromatica (Aubl.) Griseb Myrtac.

(5) Treelet 5 m. tall i shrub

4/10 F
VEN Island i soil depression on laja
NY
K
CAS

outerop. Flowers white.

Frequent.

det. L. R. Londrum 1984

det. G. Morillo 1984.

13744. Blepharodon glaucescens (Dcne.) Fontella Asclep.

(4) Twining vine with latex among shrubs

on laja outerop. Leaves medium green, dull above, pale green dull beneath. Flowers yellow

F
VEN
NY
MBM

APR 26 1984

13745. Randia armata (Sw.) DC.

Rubiaceae

F (4)
VEN
MO
K

Armed shrub 2 m. tall in margin of tree island on summit of Iajz outcrop. Flowers pure white, fragrant det. J.A. Steyermark 1985.

13746. Clidemia sericea D. Don

Melastomaceae

F (5)
VEN
NY
K

Erect subshrub 1.5 m. tall in edge of tree island in savanna at base of Iajz outcrop. Leaves medium green above, somewhat shiny; paler green beneath with yellowish nerves. Petals translucent white; anthers magenta. det. Wurdack 1984.

13747. Morinda tenuiflora (Benth.) Steyermark

Rubiaceae

var. leiophylla (Steyermark) Steyermark

F (4)
VEN
NY
K

Slender fragile shrub 1.5 m. tall in tree island at base of Iajz outcrop. Leaves shiny dark green above, yellowish green beneath. Flower buds yellow-green. det. P. Matekaitis 1984

13748. Acanthella sprucei Hook. f.

det. Wurdack 1984.

Melastomaceae

F (6)
VEN
US
K
NY

Shrub 3 m. tall with wide-spreading branches in shrub islands on Iajz outcrop. Frequent. Leaves shiny green above, pale green shiny beneath. Old

fruits brown.

13749. Pitcairnia armata Moory Bromel.

F (2)
VEN

Terrestrial herb forming clumps in open rocky savanna. scape light red. Calyx red towards base, yellow apically. Corolla yellow. det. F. Grúñchez 1985.

live → SEL

13750. Erythroxylum foetidum Plowman Erythrox
(12)

Treelet 5 m. tall with 6 trunks

ivs → anal.

FRS → (A)

TFA
VEN
F

MO
NY
K
MG
US
MY
P
B
WIS

3 cm. diameter arising from ground. Leaves flushing out, medium green, dull above; very pale green beneath with paler distinct central panel. Pedicel pale green. Immature fruits shiny light green. Fls. creamy white. Long-styled plant.

Erythrox.

13751. Erythroxylum williamsii Standley ex

(10) Plowman

TFA
VEN
F
B
MG
NY
US
INPA
U
GB.

Frequent shrub to 3 m. tall in shrub island throughout Iaja outcrop. Branches dense, rigid. Leaves light yellowish green, slight shiny above; very pale glaucous green beneath with yellow-green venation. Immature fruits shiny, yellow-green. Many fruits aborted following dry period after first rains.

13752. Guapira ayacuchoe Steyermark

Nyctag.

(6) Paratype

TFA
VEN
F
MO
NY
K

Treelet 5 m. tall in shrub island in rocky savanna. New twigs ferruginous. Leaves shiny medium green above, light green beneath. Flowers yellowish green.

det. J. A. Steyermark 1986.

VENEZUELA: Territorio Federal Amazonas.

Dept. Átures. Road northeast from
Puerto Ayacucho towards El Burro,
km. from Puerto Ayacucho.

28 April 1984.

Coll. T. Plowman & G. Guánchez.

14.5 km NE of Puerto Ayacucho. Savanna.

13753. Policourea rigida H.B.K. subsp. rigida Rubize.
(5) det. P. Matekaitis 1984Erect pole shrub 2.5 m. tall in
burned savanna. Trunk suberous, 5 cm.
diameter. Leaves dark green, dull above
with pale yellow midrib; pale yellow-green
beneath. Peduncle and inf. branches
light red, yellow in fruit. Flowers bright
red.

foto

TFA
VEN
F
NY
B13754. Schwenkia americana L. Solanac.Delicate perennial herb in
burned over savanna. Corolla purple.
det. M. Nee 1984.

F (4)

TFA
VEN
NYu
NY INPATFA B
VEN
P
F
MO US13755. Erythroxylum orinocense HBK. Erythrox.
(11) Frequent shrub 2 m. tall in shrub islands
in burned-over savanna. Trunk 2 cm
diameter, greyish to reddish brown.
Leaves light yellowish greenSts → A Lw. in
WOOD: AW, MADW,
US → analysis

APR 28 1984

above, somewhat shiny; paler yellowish green beneath with dark green nerves, shiny; leaves drying reddish brown. Pedicel and calyx pale green. Flower buds yellow. Immature fruits light green, turning reddish.

27.5 km. NE of Puerto Ayacucho.

13756. Psidium cf. salutare (H.B.K.) Berg

Myrtac.

(13)

Solitary tree 10 m. tall x 20 cm. diameter with spreading crown along roadside in disturbed Savanna. Bark suberosus, greyish brown. Leaves shiny medium green above, lighter yellowish green, shiny beneath. Flower buds yellowish green. Immature fruits green.

det. L. R. Landrum 1984

TFA-2
VEN
F
CAS
MO
NY
K
U
US
RB
INPA
G

36.5 km. NE of Puerto Ayacucho.

13757. Erythroxylum macrophyllum Cav.

Erythrox.

(16) var. savannarum Plowman TYPEfotos
FIS → (4)
lvs → anal.Tree 8 m. tall x 6 cm. diameter
Trunk straight, isodiameter. Crown

rounded, densely branched, leafy.

Stipules dark brown, briefly persistent.

Mature leaves very dark green, slightly

shiny above with yellowish midrib; very

pale green, glaucous beneath with

pale yellow midrib. Leaves lightly

undulate at margin. Flowers profuse

on all the branchlets. Pedicel and calyx

light green. Petals cream, turning

yellow with age. Filaments pure white.

Anthers cream, turning dark brown.

Only one tree seen but many seedlings

found nearby in open roadside.

TFA MO
VEN NY
F K
U
US
COL P
G
Wood MY
MADw GA
AW MA
Lw B
UC
GB
MG
CAY

13758.

Alibertia myrciifolia (Spruce ex K. Schum.)
K. Schum. var. myrciifolia

Rubiac.

(4)

Treelet 5 m. tall. Fruits
immature, dark green, turning
black.TFA NY
VEN
F

det. P. Matekaitis 1984

APR 28 1984

56 km NE of Puerto Ayacucho.
Extensive granitic laja outcrop
west of road.

13759. Blepharodon glaucescens (DCNE.) Fontella Asclep.

(3) Twining vine with latex among
shrubs. Leaves medium green above,
very pale green beneath. Flowers
yellow.

TFA
VEN
F

Erythrox-

13760. Erythroxylum lindemanzii Plowman, sp. nov.

(9) Kw

MADw

Aw

Wood /
lus → anal.

Uw

Tree 7 m. tall in soil depres-
sion among laja outcrop. Trunk
10 cm near base. Major branches
arising near base, extending verti-
cally and horizontally. Leaves flushing
out, light yellow-green above; very
pale yellow-green beneath. Flower
buds yellow-green.

TEA US
VEN U

F.

K

MO

NY

13761. Ficus mollicula Pittier

Moroc.

(5) Sprawling tree 4 m. tall on large
boulder. Leaves dull, dark green above,
pale yellow-green beneath. Stems

JFA
VEN
F

NY

K

APR 28 1984

ferrugineous. Mature fruits purple.

* ISOTYPE

13762. BUNCHOSIA PETRAEA W.R. ANDERSON Malpig L.

(7) Open fragile shrub 1.5 m. tall on top of large boulder in shade of trees. Flowers yellow. DET. W.R. ANDERSON 1997

TFA
VEN
F
MICH

13763. Plumeria rubra L. Apoc.

(7) det. M. Fallen 1984. Sprawling shrub 1.5 m. tall on large outcrop. Stems with copious latex. Flowers white, yellow at center.

foto
TFA
VEN
F
K
NY

13764. Cochlospermum orinocense Cochbsp.

(6) (HBK.) Steud. Tree 6 m. tall at base of large outcrop at edge of savanna. ~~leaves~~ leaves shiny, dark green above, lighter green, shiny beneath. Fruits erect, yellow-brown without, red-brown within.

seed
Hono. Bot. G.
Waimae
PTSG

TFA
VEN
F
NY
K

Waimae 845312

APR 28 1984

13765. Erythroxylum refum Cav.

Erythrox.

Kw (8)
 MADW
 Aw
 TFA
 VEN
 F
 NY
~~JM~~
 MG
 RB
 B
 K

Treelet 5 m. tall in soil crevice
 in laja outcrop. Leaves flushing
 out, yellow-green above; pale
 green beneath with yellow-green
 midrib.

13766. Marsdenia guanchei Morillo

Asclep.

(6)

Twining vine with latex among
 shrubs on laja outcrop. Leaves dark
 green above, pale green beneath.
 Flowers yellowish green.
 det. G. Morillo 1985.

TFA
 VEN
 F
 NY
 MO

13767. Zamia lecointei

Zamiac.

(6)

4 sets
 Cycad 1.5-2 m. tall growing
 among rocks in shade of trees on
 laja outcrop. Leaves shiny, medium
 green above; lighter green shiny beneath.
 Male cones tan.

TFA NY
 VEN
 F-2
 AL
 live: FTG

APR 2 8 1984

13768. Zamia lecointei

Zamia

(7)

3 sets

Cycad 1.5 - 2.5 m. tall growing among rocks in shade of trees on 1/2 outcrop. leaves shiny, medium green above; lighter green, shiny beneath. Female cones dark brown. Seeds red-orange.

TFA
VEN
F-2
NY

APR 2 9 1984

VENEZUELA: Territorio Federal Amazonas. Dept. Átures. Road south from Puerto Ayacucho to Samariapo, 22 km. from Puerto Ayacucho at "Garcitas". Along small dirt road which leads west to Raudales de Garcitas. 29 April 1984. Coll. T. Plowman

13769. Erythroxylum ligustrinum DC. Erythrox.

(11)

det. Plowman 1987.

Wood
KW

Tree 10 m tall x 12 cm. diameter in open forest at base of large granitic boulders.

fol
fls → (A)
lvs - anal.

Leaves flushing out, light yellow green, slightly shiny above, coarsely undulate; very pale whitish green, dull beneath; Flower buds light green. Ascending-spreading plagiotropic branches arching over road.

TFA P
VEN US
F GH
MO TEX
NY AAU

APR 2 1984

VENEZUELA: Territorio Federal Amazonas.
Dept. Átuces. "Tobogan de la Selva"
Camping Area along Río Coromoto, 35 km.
southeast of Puerto Ayacucho.
Approx. 5°22'N., 67°33'W.
29 April 1984.
Coll. T. Plowman

29 Apr 1984 (Coll. T. Plowman with Gustavo
+ Peggy Romero).

13770. Erythroxylum ligustrinum DC Erythrox.
(14) det. Plowman 1984.

Tall slender tree 12 m. tall x
15 cm. diameter growing on steep
bank along river in forest. Bark
light brown, longitudinally grooved,
roughish. Branches spreading ^{horizontally} in one plane.
Leaves ^{lvs} yellowish green above,
only very slightly shiny; very pale, whitish
green beneath with yellowish midrib;
leaf blade mildly undulate. Flower
buds yellowish green.

fotos
fls → ⊕
seedling

TRA
VEN
E
NY
MO
US
K
COL
CAY
U

INPA
MA
G
RB

13771. Actinostemon schomburgkii (Kl.) Hochr. Euphorb.

(8) Treelet 4 m. tall in forest

TFA
VEN
F

along river. Leaves dark green above,
lighter green beneath, shiny both sides.

fotos
K
AAU
DAV
NY
MO

♀ flowers and immature fruit green.
det. M. J. Huft 1984.

Yellow crab spider on this plant - mimicking
fruit shape + size.

13772. Chiococca nitida Benth. var. amazonica Rub.

(8)

Muell.-Arg.

fotos

Sprawling tree 6 m. tall in dis-
turbed forest on stream bank.

fis → (A)

Branches divericeting, tending to
arch over. Twigs flattened. Apical
bud and adjacent stipules ^{twigs} covered
by clear resin. Inflorescence

VEN

pendulous, Branches pale green. Overy
green. Calyx pale green. Corolla in
bud pentagonal, creamy yellow; white
~~when~~ at anthesis but soon turning
pale yellow. Corolla cuspulate at anthesis
with recurving lobes.

Leaves rather brittle, dark green above
lighter green beneath.

APR 29 1984

13773. Erythroxylum ligustrinum DC. Erythrox.

(4) det. Plowman 1987.

Aw

Erect sapling 4 m. tall in
disturbed forest south of river.

WOOD MADW
LWS → 2nd fl.
UW

leaves dark green above, dull except
along midrib where slightly shiny;
very pale whitish green beneath
with slightly darker green venation
and yellowish midribs. Sterile.

VEN
F
MY
MO

13774. Erythroxylum ligustrinum DC. Erythrox.

(3) det. T. Plowman 1987.

VEN
F
VDB

Sapling 1 m. tall with new
growth leaves. Leaves ^{lt.} yellow green
above, very pale whitish green
beneath. Sterile.

USA: Florida: Dade County. South.
Miami. 6834 SW 78th Terrace.
10 MAY 1984.

13775. Erythroxylum raimondii O.E. Schulz
(3)

F-2
NY

Cult. Shrub 1.8 m. tall.
Leaves deciduous, dark green
above, pale green beneath.
Fls. creamy white.

Ex Plowman & Davis 4847. Grown
from seed collected in Peru: Dept. Cuzco.
Prov. La Convención. Near Echarate on
road to Schuayzu. 24 Jan 75. 3100 ft.

13776. Cryptocereus anthonyanus Alexand.

(2)
F

Cult. Epiphyte cactus on palm tree.
Flowers dark red.

13777. Erythroxylum coca var. ipadu Plowman

(4)
F
COL
QCA

Cult. virgate shrub 1.5 m. tall.
Flowers cream.

Ex Plowman et al. 6663. Peru.

Clone from type plant.

13778. Brumfelsia densifolia Kr. + Urb.

(5) Cult. shrub 3 m. tall.
Flowers cream white, turning
yellow with age.

NY
ORD
WAGT
B
LP
#

CEPEC

3 June 1984. Chicago, Illinois

13779. Lemium maculatum L.

Loebist.

(1) Cult. perennial creeping herb
with ascending flowering stems.
Leaves dark green above with silvery
medial stripes, pale green beneath.
Corolla tube basally white, red-purple
outside, white within.

rhizomatous

F

13780. Angelica archangelica L.

Umbell.

(#1) Cult. coarse perennial herb 1.5 m.
tall. Flowers yellow-green.

F-2

13781. Eucrosia DODSONII MEEROW & DEHGAN Amer. J.

(1) Cult. bulbous herb.

F

DET. A. MEEROW 1989

Ex Dodson 3802.

Bulbs sent to Lyon Arb. + ~~Winnipeg~~ PTBG

Pennsylvania: Deuplin County.
6780 Hickory Lane, Harrisburg.
10 June 1984.

13782. Aquilegia vulgaris L. Ranunc.

F PK (2) Naturalizing from cultivation.
Herb in margin of woods.
Perianth pale pink.

13783. Celyanthus floridus L.

F (1) Cult. shrub 1.5 m. tall.
Perianth segments dark red.

13784. Arum

F (1) Cult. herb in woods. Leaves
dark green, dull above; pale
green, glaucous beneath.
Petioles pinkish basally. Peduncle
and basal part of spathe yellow-
green, terminal portion very pale
green. Spadix: ♀ part cream.
♂ part mustard yellow. Sterile
apical part dull yellowish.

13785. Anagallis arvensis L. Primul.
(1) scarlet pimpernel"
F Diminutive weedy herb in
disturbed roadside. Corolla
salmon.

13786. Rumex crispus L. Polygon.
(1) Tall perennial herb in old field.
F Immature fruits green.
n. v. "dock"

13787. Trifolium pratense L. Leg.
(1) n. v. "red clover"
F ~~Perennial~~ herb in old field.
Flowers pink

13788. Erigeron strigosus Michx. Comp.
(1) n. v. fleabane
F ~~Perennial~~ herb in old field.
Reys white. Disc yellow.

13789. Parietaria pennsylvanica Muhl. Urtic.
(1) Delicate herb in woodland
F margin at edge of field. Flowers
green.

13790. Nyssa sylvatica Marsh.

Nyssac.

(1) "Saugum"

F Tree 10 m. tall x 15 cm.

DBH. in secondary woods.

Leaves shiny dark green above,
shiny light green beneath. Sterile.

13791. Quercus

(1) Tree 8 m. tall in woods.

F Leaves dark green above, ^{very} pale green
beneath with yellow nerves. Sterile.
white oak

13792. Quercus

(1) Tree 8 m. tall in woods.

F Leaves dull dark green above
with yellow nerves; pale green
slightly shiny beneath. Sterile.

nv. Red oak

13793. Oenothera perennis L.

Onagr.

(1) Perennial herb in old field.

F Ovary + ~~corolla~~ hypochthium dark
red purple. Sepals yellow green.
Petals golden yellow.

13794. Antennaria

Comp.

- (1) Mat-forming herb in open
F sterile part of field. Leaves
and infl. with silvery hairs.

13795. Oxalis stricta L.

Oxalid.

- (1) Herb in old field. Flowers
F deep yellow.

13796. Trifolium procumbens L.

Legum.

- (1) Annual herb in old field.
F Flowers light yellow.

13797. Tregopogon dubius (L.) Scop.

- (1) Occasional annual herb
F in old field. Milky latex through-
out.

13798. Lepidium campestre (L.) R. Br.

- (1) Herb in old thicket.
F Immature fruits green.

13799. Fragaria virginiana Duchesne

- (1) n. v. wild strawberry.
F Frequent perennial herb in
old field. Fruits red.

13800. Arabis laevigata (Muhl.) Pair. Crucif.
F (1) Solitary herb in moist woods.
Immature fruits green. (see # 12996)

13801. Viburnum acerifolium L. Caprif.
F (1) Shrub 2 m. tall in woods along
Beaver Creek. Flowers white.

13802. Polygonatum biflorum (Walt.) Ell. Liliac.
F (1) Solitary rhizomatous herb
in moist woods along Beaver
Creek. Flowers pendulous,
pale yellow-green.

13803. Staphylea trifolia L.
F (1) Weak shrub 3 m. tall in
bottomland along Beaver Creek.
Immature capsules pale green.
n.v. "bladder nut", "rattle box".

13804. Allium
F (2) n.v. "wild garlic"
PH Herb in clumps in moist
woods, strongly smelling of
garlic. Perianth pale pink.

13805. Geranium columbinum L.

F (1) Delicate annual in old field.
Flowers ^{pale} pink.

13806. Rhododendron

F (1) Cult. shrub 3 m. tall.
Flowers pale pinkish violet.

13807. Thuja orientalis L.

F (1) Cult. columnar tree 2.5 m.
tall. Sterile.

13808. Clematis

F (1) Cult. herbaceous vine.
Flowers reddish purple.

13809. Paeonia

F (1) Cult. perennial herb 80 cm.
tall. Flowers pure white.

13810. Weigela floribunda Mey. Caprif.

F (1) Cult. shrub 4.5 m. tall in
woods. Flowers deep pink.

13811. Veronica
F (1) Annual in bare patches in
lawn. Flowers pale blue.

13812. Pedicularis canadensis L.
F (1) Cultivated + naturalizing
perennial herb in margin of
moist woods. Immature fruits
pale green.

13813. Zoysia
F (1) Cultivated lawn grass forming
dense mat. Spikes tan.

13814. Allium ostrowskianum Regel
F (1) Cult. bulbous ornamental
from commercial source. Flowers
magenta.

13815. Allium karstaviense Regel
F (1) Cult. bulbous ornamental
from commercial source. Bracts
pink. Perianth segments very pale
pink. Filaments white.

13816. Barbarea vulgaris R. Br.
F (1) Weedy herb in old field.
Immature fruits green.

13817. Stellaria
(2) Delicate herb in moist open
F area along pond. Flowers
PH pure white.

13818. Ranunculus abortivus
(1) Herb in moist open area
F along pond in partial shade
of tree.

Harrisburg. 129 Willow Road.

13819. Ilex opaca Ait.
F (1) Cult. treelet 3 m. tall.
Petals creamy white.

13820. Philadelphus
F (1) n. v. mock orange
Cult. shrub 2.8 m. tall. Petals
white. Flowers fragrant.

13821. Deutzia gracilis Sieb. + Zucc. Sexifl.
F (1) Cult. shrub 1 m. tall. Petals
white.

Chicago, Ill. 4 June 1984.

13822. Viburnum opulus L.

(1) det. P. Metchaite 1984.

F Cult shrub 2 m. tall. planted
at Reta + Addison Sts. Flowers
white.

University of Chicago Greenhouse
29 June 1984.

13823. Hymenocallis tubiflora Salisb.

(2+2) Cultivated. Flowers pure white.

NY
K Ex Plowman + Berry 765F, Venezuela.

Chicago, Illinois. 22 July 84. ^{831 W} Buckingham

13824. Tulbaghia violacea Harv. Ameryll.

F (1) Cult bulbous herb with strong
onion odor. Flowers pale violet.
Pedicel green.

13825. Origanum vulgare L.

(5)

F
BH
MO
COL
MEXU
NY
MBM
RB B
UB
HUA
A-JP
Cult. Rhizomatous perennial forming
dense patch. Flowers pale lilac,
much-visited by bees.

HUT
MG
XAL
COL
BH
F
MO
MBM
NY

13826. Rubia tinctorum L.

(2)
10
weedy sprawling herb.
Fls. yellow.

13839
~~13826~~. Mentha spicata L.

(3)
dup. det. R. Harley 1985.
Cult. rhizomatous herb, to
60 cm. tall. Flowers very pale
lilac.

F
K
BH
MO
NY
GH
G
WAGT
LE
TEX

Developed by Edgar Anderson
for mint juleps. From Arnold
Arboretum.

13827. Portulaca grandiflora Hook.

(4)
cult. succulent herb.
Stems deep pink. Leaves green.
Flowers pale yellow, orange
to deep red.
lv. moss ~~rose~~ "rose"

5 Aug 1984. Chicago. 831 W. Buckingham
13828. Coix techrymae-jobi L.

F (1) Cult. grass 1 m. tall. from
commercial source. Sp. lelets
green, anthers yellow. ♀ Sp. lelet
yellowish green, shiny.

Solanac.

13829. Capsicum annuum L. cv. 'Black Prince'

F (2) Cult. herb from Mo. Bot. Garden.
BH +4 Leaves purplish black above green
NY beneath. Stems + petioles dark
CORD + pedicels purple. Corolla Pedicel erect.
RB flowers nodding. Corolla violet.
WAG Fruits shiny purple-black, red at
maturity.

13830. Proboscidea parviflora (Woot.) Woot. + Steud. Martyniac.

(2) Cult. coarse viscid herb 60 cm
F +10 tall. flowers pale pink with
BH MBM yellow nectar guide on upper-
TEX A-JP most lobe. seeds from: Native Seeds Search, 3950
NY B HUA w. New York Dr., Tucson AZ 85745.
HUT P
MEXU WAG
MO

13831. Erythroxylum novogrenatense

Erythrox.

(10) var. truxillense

F Mo Cult. shrub 1 m. tall. Flowers
NY PH creamy white.
ECON BKL Grown from seed from 6243 ex 5620.
US
ISC
USF
RR

1 Aug 84

TAES
CTES

13832. Napaea dioica L.

Malvac.

F (3)

Cult. perennial herb 1.8 m.
tall. Staminate flowers white.

F
CTES
BH
TAES

10 Aug 1984

13833. Napaea dioica L.

Malvac.

(4)

Cult. perennial herb 1.8 m.
tall with 3 flowering scapes.
Capsules green turning brown.

seeds

20 Aug 1984

13834. Lantana montevidensis (K. Spreng.) Briq.

BH
F (3)
MEXU

Cult. sprawling ^{shrub} herb. Flowers
light red-violet with yellow
center guide. Ex Mo. Bot. Garden

13835. Euryopis pectinata Cass.

(1) Cult. erect herb 40 cm. tall.
Flowers bright yellow.

26 Aug 84. CHICAGO

13836. Spathicarpa

Arac.

(2)

Cult. herb forming dense
clump. Lvs. medium green above,
pale green, shiny beneath - Spathe
pale green.

NY

13837. Lavendula (2bi2t.)

(1) Cult. aromatic herb. Flowers lavender
F Source: Taylor's Herb Garden,
California.

Aug 84 - Field Museum

13838.

Myrtac

(1) Branches from ^{decorative} floral arrangement.
F Flower buds pink.

13839. Mentha spicata L.

see following 13826.

5 Sept 1984 CHICAGO.

13840. Curcuma longa L.

(2) Cult. herb with horizontally
F branched, fleshy rhizome. Rhizome
reddish brown without, yellow-
my orange within. Leaves light
green; sterile.

13841. Canna x indica L.

(H1)

F Hybrid ornamental herb 1 m. tall.
BH Calyx pale green with hyaline margins.
Corolla pale yellow. Stamens

showy, pete yellow with pale reddish streaks.

13842. Canna x indica L.

(2)

Herb 2 m - tall cult. from seed ex A. Fernandez. Leaves ^{dull} dark green above; lighter green beneath, somewhat shiny. Rachis dark red-purple. Bracts reddish purple. Calyx light red. Corolla dark red. Staminodes scarlet.

13843. Erythrina herbacea

(1)

F Cult. suffrutescent herb. Grown from seed collected in Torreya State Park.

13844. Hibiscus moscheutos L.

Malv.

(1) Cult. ornamental herb 50 cm. tall. F Petals white, carmine red at base. Androphore white.

13845. Cucumis sativus L.

(2) Burpee Burpless

F
BH

Cult. Herbaceous vine. Flowers yellow. Fruits 35 cm long, curved. Commercial source.

13846. Satureja hortensis L.

Labiata

(1) Delicate cultivated herb.

F. Flowers very pale pink.
cf. summer savory?

Pennsylvania: Cumberland County.
Yellow Bunches Creek.

10 Sept 1984.

13847. Saururus cernuus L. Saururus.
(3) Erect perennial herb in
F low, periodically inundated woods
MBM along creek. Infl. in young
HUA fruit pale green. Frequent.

13848. Xanthium strumarium L. Comp.
(1) Annual herb in open sandy
F areas along creek. Immature
fruits green.

13849. Cephalanthus occidentalis L. Rubiac.
(1) n.v. buttonbush
F Shrub 2-3 m. tall in edge of
periodically flooded woods.
Immature syncarps green.

Pennsylvania: Dauphin County.
Lower Pexton Township. 6786 Hickory Ln.
12 Sept 84.

13850. Lonicera maackii (Rupr.) Maxim.

F (1) Shrub 3 m. tall in dry woods
margin. Immature fruits green.
det. T. Plowman 1984.

13851. Impatiens

(1) Succulent stemmed annual in margin
of pine woods along road. Flowers
F creamy white.
foto

13852. Sagittaria latifolia L.

(1) Perennial herb in low marshy
open area along Beaver Creek.
F Flowers white. Immature fruits
green.

13853. Trapa natans L.

(8)

+ fruits

Floating aquatic in shallow pond.
Flowers white. Fruits dark brown
at maturity.

MEXU F
B NY
SP. 1984

Harrisburg, PA. 13 Sept 84.

13854. Polygonum perforatum L.

(3) Prickly vine in newly landscaped
F
NY
BH
Fress ground Penna. Railroad
Station. Sterile.

13855. Aglaonema

(1)

F Cult. house plant, 50 cm. tall.
Spathe pale green. Spadix cream.
Ripe fruits red. Leaves varie-
gated above with silvery-green
Splotches along major 2^o nerves.

13856. Colodium ^{ornamentale}

(1)

F Cult. bulbiferous herb.
Leaves whitish with dark green
margins. Spathe light green.
Spadix cream.

Virginia: Fauquier County. The
Plains. Kinloch Farm.
15 Sept 84.

13857. Cunila arigonaides (L.) Britt.

(3) ^{eromatic}
Perennial herb in woodland
F Mergu along trail on rocky
K hillside. Flowers pale violet.
MEXU

13858. Eupatorium purpureum L. Comp.

(2) Herb 1 m. tall along trail
F in moist rocky woods. Fls. silvery
HUT white tinged violet. det. M.O. Dillon 1985

13859. Phryma leptostachya L.

(2) Perennial herb with short, round
F woody rhizome. Flowers pale
MBM yellow.

13860. Asimina triloba (L.) Dunal.

(4) ^{pawpaw}
Small tree 6 m. tall forming
F dense stand in low moist rocky
U woods. Fruits still green,
MEXU occasional on smaller ^{upper} branches
Mo

13861. Elephantopus

Comp.

- (1) Herb in margin of moist
F rocky woods along trail.
Flowers pure white.

13862. Aralia racemosa L.

- (1) Weak, sparsely branched peren-
F nial herb to 1 m. tall in
moist rocky woods. Fruits
dark red.

Chicago, Illinois. 15 Sept 1984.

13863. Petroselinum crispum (Mill.) Monstf.

- (1) "parsley"
F Biennial herb, persisting in
garden. Mature fruits brown.

13864. Datura innoxia Mill.

(1)

- Annual herb 80 cm. tall per
F sisting in garden. [Probably ⁽⁹⁾ hybrid between
D. innoxia and D. discolor.] Calyx
pale green. Corolla tube yellowish-
lime white with purple-tinged
margin + teeth. Fragrant.

13865. Phaseolus vulgaris L. Legum
(5)

F-2 High climbing cult. herbaceous
BH Vine 6 m. tall. Flowers pale
NY dull purple or white.
TEX n.v. Terchumara multi-colored bean.
K Source = Native Seed Search.
WAG
MEXU
Mo 3950 W. New York Dr.
A-JP Tucson AZ 85745.
Fruits 24 Oct 84.

13866. Proboscidea parviflora (Woot.) Woot. & Standl. Martyniac.
(7)

F Cult. herb (coarse, viscid) 80 m.
WAG tall. Flowers pale pink with
BH yellow nectar guide. Fruits dark
NY green, turning brown; fairly
Mo straight or coiled in complete
B circle
TEX
MEXU
A-JP

23 Sept 1984. Field Museum

13867. Garcinia Guttif.

F (1) seedlings from cult tree, south
Miami, Florida.

13868. Rhizophora mangle L.

F (1) Seedlings grown from "hypocotyle"

Collected at Mathieson Hammock,
Miami, Fla.

13869. Chiococca nitida Benth.

(1)
F Seedlings grown from Plowman
¹³⁷⁷⁷
~~13414~~, Venezuela: T.F. Amazonas.
Bogon de la Selva.

13870. Remusatia vivipara (Lodd.) Schott. Arac.

F (3) cult. herb grown from bulb -
MO lets obtained from Selby Bot. Gardens,
BH Dec. 1983.

... 13871. Clavija evergreen Macbr. Thesphrast.

F (1) Seedling from cult. plant at
Miami, Florida. Sown Jan. 1984.
From Plowman 4601, Ecuador.

831 w. Backmeyer

13872. Phaseolus scutifolius Legum.

(4) Cult. herbaceous climber.

F-2 Flowers pink.

BH From: Native Seed Search wild tepary

MO
NY
MEXU
K

Fruits 240 ct 84.

13873. Nigella sativa L.

Ranunc.

(1)

F Cult. Annual herb. Tepals greenish white.
Grown from seed purchased at Asia
Food Market, Chicago.
n.v. "kulonji"

13874. Eleocharis dulcis (Burm f.) Trin. ex

F (1)

Henschel.

n.v. water chestnut

Cult from tubers obtained from
oriental grocery in St. Louis.

30 Sept 1984

13875. Capsicum

Solanec.

(3)

F

BH

NY

Cult. ornamental herb, 50 cm
tall. Leaves variegated blotched
white, purple + green. Pedicels
erect, flowers nodding. Corolla
white with purple margins + central
vein. Anthers purple. Pollen cream.
Fruits pendulous, shiny, purple-
black when immature, bright red
at maturity.

From Mo. Bot. Garden.

13876. Capsicum annuum L.

(3) Cult. herb 60 cm. tall.

F Flowers nodding, corolla cream,
BH anthers blue-purple, pollen cream.
Fruits pendulous, shiny
green, turning red at maturity.

n.v. jalapeño

7 Oct 1984 Chicago.

13877. Coix lechrymae-jobi L.

(4) "job's tears"

F Cult. perennial herb 1.3 m. tall.

BH Fruits shiny black, drying dark
MO grey.
MEXU

SPERLING

13878. ANREDERA CF. BRACHYSTACHYS (MOQ.) Basellac.

(1) Semi-succulent herbaceous

F Twining vine. 1 m. long. Stems
reddish. Infl. axis green. Flowers
- creamy white - DET. C. SPERLING 1988

13879. Parthenocissus tricuspidata

(2) Cult. Climbing vine appressed

F to masonry wall. Fruits dark
BH blue-purple, glaucous.

13880. Fuchsia magellanica

- F (1) cult. ornamental with pendulous branches. Hypanthium and calyx white. Petals red-purple. Filaments + pistil basally white, apically pink.

13881. Fuchsia magellanica

- F (1) cult. ornamental with pendulous branches. Petioles red. Hypanthium red. Sepals carmine red. Petals deep violet. Filaments red. Anthers red-purple. Style carmine pink.

Artemisia ludoviciana Nutt. var.

13882. graphalodes Nutt

Comp.

- F HUT (2) Cult. perennial herb. Whole plant ^{whitish} grey-sericeous. "Dusty Miller" det. M.O. Dillon 1985.

10 Oct 1984

13883. Tradescantia blossfeldiana Mildbr.

- F (1) Trailing herb with pale green lvs. & white hairs. Fls. deep pink.

13884. Anthurium andresnanum

(1) Cult. Sold commercially.
F Chicago.

Massachusetts: Boston. Jamaica Plain.

Arnold Arboretum. 14 Oct 1984.

with C. Sperling + M. Stenluck

Lerdizab.

13885. Akebia trifoliata (Thunb.) Koidz.

(-3) Cult. woody climber 8 m. long,
+1 twined on trellis. Fruits 9 cm
F long x 4 cm. diameter, ~~thick~~
NY purple with whitish bloom.
Pulp white, sweet, visited by
ants. Surface ^{whit} somewhat.

13886. Akebia pentaphylla Makino

Lerdizab.

(2) Cult woody climber 6 m. long
F on trellis. Fruits 9.5 cm long
x 4.5 cm diam. ^{pale} ~~dark~~ bluish purple
with whitish specks, smooth.
Pulp white, Sweet,

Rochingham Co.

New Hampshire. New Market.

15 Oct 1984.

13887. Onopordum acanthium L.

Comp.

(2) Erect herb 1.5 m. tall in old field.

seed F, MEXU,

New Hampshire: Belknap County.
Mount Belknap. 2378 m.
with Mr. Spelmuch & R. Richards Oct 16, 1984

13888. Sorbus americana Marshl. Rosac

(2) Small tree 4 m. tall growing
F among dwarfed Spruces & birch
MEX4 on summit of Mt. Belknap near
LE fire tower. Fruits red.

13889. Diervilla lonicera Mill. Gericif

F (1) Shrub 1 m. tall in forested
Slopes. Immature capsules
green.

M. H. Belknap. Co. Gilmenton Iron Works.

13890. Lycopus virginicus L. Mentha Labiat.

(1) Herb growing on sandy edge of
F small stream.

Massachusetts: Barnstable County.
Oct 17, 1984. Provincetown.

13891. Rosa rugosa Thunb. Rosac.

(1) Armed shrub 1 m. tall forming
F dense clumps on top of dunes.
Mature fruits bright red, edible.

13892. Euphorbia polygonifolia (L.) Small Euph.
(1) Delicate erect herb in shade
F of sea grass on lee side of
first dunes. Fruits green.
Milky sap.

13893. Epifagus virginiana (L.) Bart. Orobanch.
(1) Sessophyte in "Beech Forest"
F at base of beech trees.
Whole plant light brown.

13894. Myrica pensylvanica Loisel. Myric.
(1) "bayberry" ! A. BORNSTEIN 1992
F Shrub 1 m. tall in shrub-
island in open dunes. Fruits
white-waxy, aromatic.

13895. Rosa
(1) Armed erect shrub 1 m. tall
F in thicket margin along road.
Fruits red-orange.

13896. Artemisia Comp.
(1) Perennial herb in open dunes.
F Leaves grey-green. I-fl. yellowish
brown.

F 13897. Lechea maritima Leggett Cistac
(1) Rosulate herb in open dunes
ocean side. Capsules brown.

13898. Ilex glabra L.

F (1) Slender shrub 2.5 m. tall
in wooded area along road.
Leaves shiny above; pale green
dull beneath. Fruits black.

13899. Euphorbia polygonifolia (L.) Small.

F (1) Prostrate herb on ^{rocks} open exposed
sand-dune behind sea on
lee side. Fruits pale green.

13900. Polygonella articulata (L.) Meisn.

F (1) Annual herb on open sand-
dunes, lying prostrate. Sepals
rose-pink, turning white.

13901. Arctostaphylos uva-ursi (L.) Spreng.

(1) kv. "bearberry"
F Creeping ~~grass~~ perennial on sandy
roadbanks at edge of woods. Flowers
pale pink to white. Fruits dark red.

13902. Baccharis halimifolia L. Comp.

(1) Shrub 1.5 m. tall in shrub-
F island in dunes. Involucre
purplish. Pappus white.

13903. Viola lanceolata L. Violac.

(1) Semisucculent herb in depression
F in dunes. Capsules green.

13904. Vaccinium macrocarpon Ait. Ericac.

(1) "Cranberry"
F Creeping perennial forming dense
mat in depression in dunes.
Fruits red.

13905. Crocus speciosus Bieb. Irid.

(1) Cult. bulbous ornamental
F cult at Lendi End Inn
Provincetown. Petals blue-
violet. Stigmas orange.

13906. Agericab.

(1) Growing in sand dune near scrub
F pines. Barely ascending out of sand.
Pileus light brown. Gills cream. Stipe
tan.

foto

Wellfleet.

13907. Laccaria trullissata

Agericaceae

F (1) Growing in open sand dune next to ~~sea~~ grass. Pileus brown. Gills dark purple. Stipe light brown.

Chicago, Ill. 24 Oct 84

13908. Capsicum

Solanaceae

F (1) Cult. herb. Fruits yellow, pendulous, pungent.

13909. Allium

F (1) Puyo Onions. Cult. herb. From Native Seed Search.

13910. ANREDERA CF. BRACHYSTACHYS (MOG.) SPERLING Besellac.

DET. C. SPERLING 1988

F (2) Cult. herbaceous vine.

Stems + petioles red. Flowers cream.

17 Nov 1984 Chicago.

13911. Alstroemeria

(2) Cult. cut flowers - commercial source. Sepals pale red. Petals axially red, yellow below, streaked with brown spots.

BH

13912. Lilium

- (1) cult. cut flower. Tepals white,
F pink toward center with red-purple
spots.

13913. Lomatia longifolia R. Br. Proteac.

- (2) cut-flower trade. Leaves
F dyed fuchsia.
Bill From Australia.

13914. Allium

- (1) Fls. white. Ornamental in
F flower arrangement.
-

18 Jan 1985, Univ. of Chicago

13915. Amorphophellus rivieri Durieu

(2)

- F-2 Cult. tuber-bearing herb.
Peduncle 54 cm long, 6.5 cm
diam. at base, dark brown, mottled
pale brown. Spathe 45 cm long.
Without: pale brownish green at base
with brown spots, brownish purple
in upper $\frac{2}{3}$. Within: light purplish
brown in enclosed parts, very dark
purple shiny in exposed part.

1 cm. long,
Spadix: ♀ part: ovaries basally yellow-green, purple in upper 1/2. ♂ part. 12 cm, brownish; sterile part 55 cm long, dark purple, dotted with darker purple glands, foetid odor.

OCT 21, 1984.

Arnold Arboretum, Jamaica Plain,
MASSACHUSETTS.

13916. Franklinia alotomaha Marsh.

(1)

Cult. tree.

FRUITS
only - F

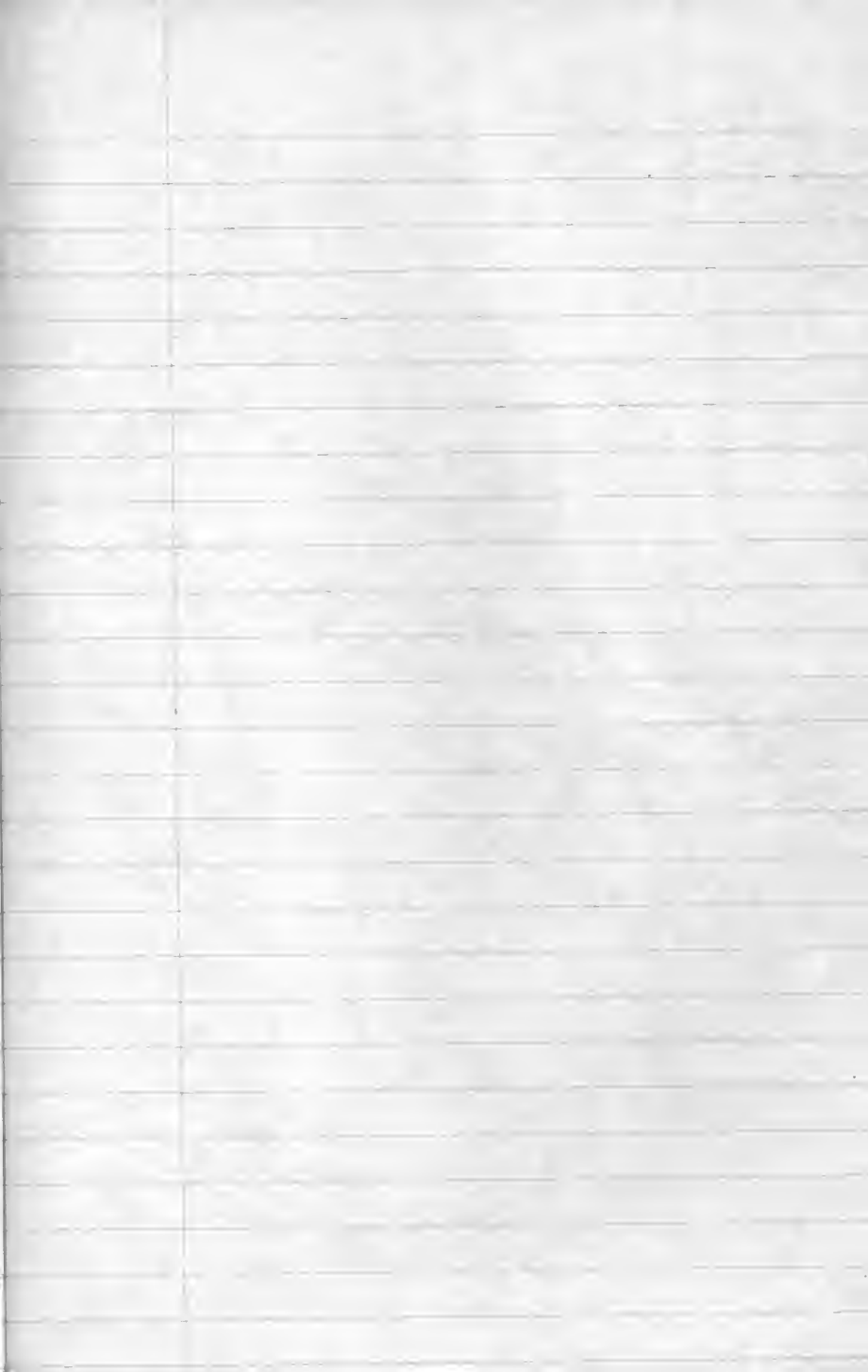
Field Museum Mar. 30, 1986.

13917. Anthurium HARSII (GRAHAM) G. DON. Arac.

(1)

F Cult. rosette herb. Spathe green. Spadix dark purple. Petiole \cup in cross-section.

Orig. collection live only from Parque do Estado, São Paulo, SP, Brazil.
Plowman 10175, 30 Apr. 1980.



x 13.4

$$\begin{array}{r} \text{total F} \quad 5202.42 = 388.24 \\ \quad + 94 \\ \quad - 96 \\ \quad \quad \quad + \frac{205}{593.24} \end{array}$$

$$\begin{array}{r} \text{total N} \quad 5968.95 + 445.44 \\ \quad + 150 \\ \quad + 130 \\ \quad + 96 \\ \quad \quad \quad \frac{107.44}{552.88} \end{array}$$

1146.12

May 9
Breakfast 3.50
Food 6.12
Dinner 9.00

May 11
Breakfast 4.50
Lunch 6.00
Porters 2.00
Drinks 7.00
Rental car 91.14

May 10
Breakfast 4.00
Lunch 5.50
Dinner 12.00

F 150.75

MAY 1 - Tues
 Breakfast 12
 Lunch 111
 Dinner 34
 Newspaper 3.5
 Telephone 11

wed.
 MAY 2 P.A. → Caracas
 Hotel 11 days 855
 (F 450) (N 405)

Food ↓ N 153.70
 Excess Baggage 350
 (including bribe)
 Lunch 25
 Dinner 40
 Telephone 14
 Taxi 40

MAY 3
 Lunch 30
 Photocopies 36
 Collectivos 12
 Cheese 32
 Dinner 45

F 621.50
 N 777.7

MAY 4
 Taxi 20
 Metro 5
 Magazine 40
 Newspaper 2.5
 Lunch 35
 Cokes 5
 (Book-Paid.net, F 200)

Estampilla 1
 Collectivos 12

MAY 5
 Beer 30
 Laundry 20
 Lunch 31
 Dinner 60

MAY 6 - Sunday
 Lunch 35
 Dinner 55
 Pots 36

(381.5 - N)
 200 - F

Mon.
 MAY 7
 Taxi 20
 Taxi 20
 Lunch 42
 Dinner 50

Tue
 MAY 8 Caracas → Miami

Taxi to airport 180
 Airport tax 40
 Porters 40
 Breakfast 35
 45 Dollars →
 Excess Baggage \$102

Porters ↓ F 3
 Lunch 4.50
 UPS 6.52
 6.01
 9.30
 Dinner 8.56
 Coke .75

N - 427 Bs.
 \$102 us
 F 38.50 us

APR 24	Tues.	APR 27 - FRI	APR 29 - Sun
breakfast	18	Breakfast 18	Breakfast 20
lunch	40	Lunch 52	Lunch 38
Dinner	60	Dinner 42	Coke 2.5
Newspapers	7	taxi 20	Taxi 20
Coke	12	taxi 20	Taxi 20
		Telephone N 96	Newspapers 7.6
		newspaper 3.5	telephone 97.5
		Beer 5	telephone 42.5
		APR 28 - SAT	Beer 5
		Breakfast 18	Dinner 33
		Lunch 35	
		Dinner 28	
		Taxi 20	APR 30 Mon,
		Taxi 20	Breakfast 15
		newspaper 7	Lunch 30
		Beer 14	Dinner 35
		Coke 7	

F.M

APR 26 - Thurs	F 405.5	F 365.5
Breakfast 18	-96	
Lunch 70		
Dinner 30	N 96	
Taxi 20		
Taxi 20		
telephone 18		
telephone 35.50		

N 326.75 / F 229.5

APR 8
 breakfast 15
 lunch 38
 Dinner 42
 Hotel - 4 days 480
 Supplies 52
 Taxi 20
 Taxi 20
 Cokes 10

APR 11 - Sta Lucia
 Mañoco 50
 Crackers 15
 Cokes 12

Dinner 42
 Beer 12

APR 9
 Breakfast 22
 lunch 32
 Dinner 36
 Hotel 120
 Taxi 20
 Taxi 20
 Cokes 8
 Rum 80

APR 12 - 18
 Neblina Camp.

APR 22 sun
 telephone 46.50
 telephone 52.50
 Botella 145-
 Breakfast 18
 lunch 38
 Dinner 38
 telephone 32

APR 10
 (Ayacucho - San Carlos)
 Breakfast 18
 Lunch 28
 Cokes 12

APR 19 - San Carlos
 Cokes 12-
 Beer 18
 APR 20
 Cokes 5
 Beer 12

APR 23 mon
 Breakfast 25
 lunch 35
 Dinner 80
 Laundry 108
 telephone 48
 " 14

(N-1073)

APR 21 San Carlos →
 Pto. Ayacucho
 Back Saturday
 Alcohol 60-
 Taxi 30
 12 x 20

(734-N)

(N 234)

Mar 31 - Sat.

Plastic bags	65.5
Lunch	40
Dinner	55

APR 3 Tues

Newspaper	3
Lunch	28
Sub	68
<u>Pens F</u>	<u>94</u>
Dinner	58

APR 6

Breakfast	24
Lunch	15-
Dinner	74
Taxi	20
Newspaper	3.5

Sunday

APR 1 Isla Tortuga

Dinner 60

(220.5 - F)

neblina →

APR 2

Franchas	50
Breakfast	20
Lunch	35
Dinner	45
gasolina	44
Laundry	23
Newspaper	3
Cokes	6
Taxis	40

(216 - N)
220.5 F

APR 4 - Caracas - Pto. Ayacucho

Taxi	150
Ticket	550
Xcls. Baggage	72
Supplies	47
moskitero	40
Taxi	30
Breakfast	32
Lunch	28
Dinner	40
Redcap	10
Tax	10

APR 5

supplies	11.50
Breakfast	15-
Lunch	35-
Dinner	40

(N - 1117.5)
(F 94)

APR 7

Breakfast	28
Lunch	42
Dinner	55
Supplies	420

(Francha 50)

(N 681.5)

(F 50)

MAR 22 - Thurs.
Chicago - Mex
Liquor - F 15.75
Lunch - N 4.50
Juni - N 1.74
Field ↓

Food - 84.2
(N-Taxi to city 130)

23 - Fri.
Breakfast - 69
Gasoline 65
Lunch 24

24 - Saturday

Food 96.95
Lunch 30
Cokes 12
Newspaper 3

(384.15) F
us 15.75 -

455.44 ✓

BS 130

MAR 25 Sun.
Lunch 73
Dinner with Julian 547

MAR 26 Mon.
Books - Fl. Va 682
Maps 730
Taxi 20
Metro 5

Books on Veng. 240
Lunch 42
Dinner 35

Tues.
Mar. 27 → Coro

Gasoline 40
Gasoline 44.02
Lunch 30
Dinner 40

F
(2528.02)

Mar. 28 - Coro
gasoline 64
Hotel 140
Breakfast 18
Lunch 32
Sub 15

Mar 29 = C. Oplicia
Beer 24
Cokes 10

Mar 30
Alcohol 20.75
Gasoline 68
Hotel 634
3 days

F
(1025.75)

Neblina

The base camp is located on high ground above the Rio Mawarinuma, a sizable (but variable in volume) stream the color of Coca-Cola. The camp was made by clearing the forest in an area of white sand with a substantial surface layer of organic matter. Next to the camp is a large clearing for the heliport - literally a tunnel in the forest which is not visible until you are very close (by air). The camp is very well made - mostly of local materials - except for the tin roofs. The floors are split bamboo and most of the fastening is done with *Heteropsis* which abounds here. There are 2 buildings for sleeping, and one large one for storage + working-laboratory space. There are other buildings for cooking + storage of supplies, an eating area and quarters for the 4 Indian workers, who come mainly from San Carlos. There are electric generators - noisy ones - which provide light and power to run the water pump for sink + showers in all - a well equipped + well organized camp - there is a resi-

meteorologist - Carlos - who is in the Air Force + is in charge when Charles is absent. Radio contact is made morning + evening to San Carlos, Pto. Ayacucho and/or Caracas = ~~It~~ arrived at camp via San Carlos de Rio Negro and the military outpost at Santa Luzia de Cocuy (on the Brazilian border). The shuffling about of bodies was vertiginous - I was met in Pto. Ayacucho by Gary Small - mycologist from N. Zealand via Serra Acazi Projeto Flora Expedition - Al Gentry + Bruce Stei had arrived in P.A. a few days earlier to collect.

Photos JB

Coccoloba uvifera

Feijoa sellowiana

Rhedia madrona

Swartzia schomburgkii FR FL

? *Tahoea curcas* - FJ

Tebebuva

Araya pinnata - Luzon palm

Laryta cumingi

Guipo

Simara

V. tex

Chorisia splendens

Rhedia madrona fruits

Rhedia sp.?

Erythrina fruit

Rhedia madrona

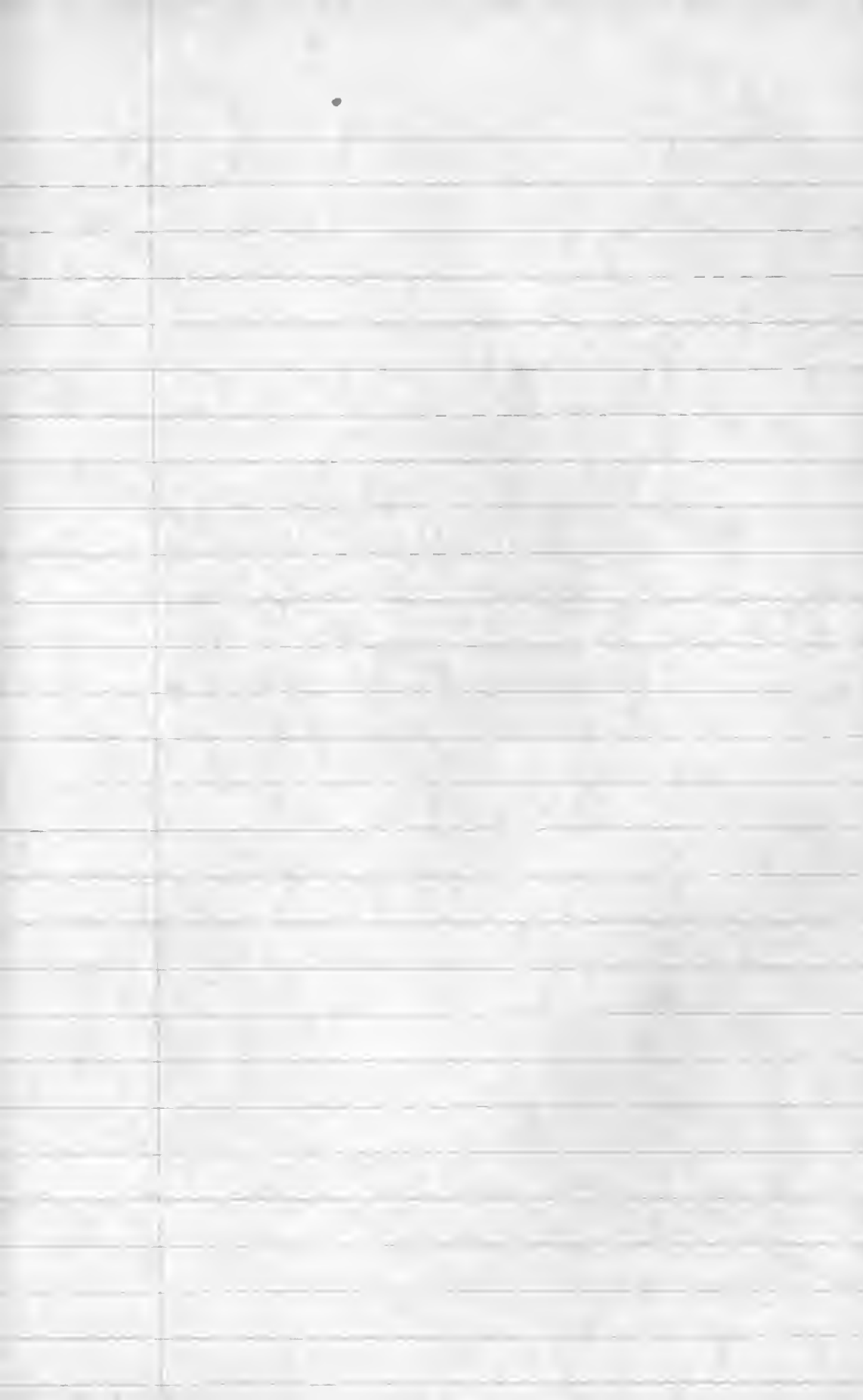
Garcinia mangostana

Label "Porteria memmos" Mex no
= gutty.

Japota c. - "sapte"?

Toxicodendron striatum?

Annona purpurea



piri piri yaca = rhizome grated + mixed
with water + drunk
monthly

C. prolisus = given to women so they
can eat certain kinds of (cat fish)
large fish
protect against maguari spirits

C. articulatus

rhizome take for diarrhea.

Eleocharis

give to children 4 times a year.
to improve their intelligence.

jacaré puchanga = Ctenanthe
for luck in finding jacaré.
for hunting.

SUN	M	T	W	TH	F	SAT
1- APR 1				22 CHI-CARACAS	23	24 Los Carnacas
25	26	27 Emacas-Coro	28	29	30 COTO-CARACAS	31
APR 1 Isla Tortuga	2	3	4 CAR-AYACUCHO	5	6	7
8	9	10 AYACUCHO-S. CARLOS	11 S. Carlos- Sta. Lucia- Neblina	12	13	14
15	16	17	18	19 Neblina- Sta Lucia-S. Carlos	20	21 S. Carlos- Ayacucho
23	23	24	25	26	27	28
29	30	MAY 1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19

